



Sicil: 69069 (ER: 2550761) Numaralı

II-A Grup Ruhsat Sahasına Ait

UMREK- 2023 Kodlu Değerlendirme Raporu Ekleri

Cilt 2

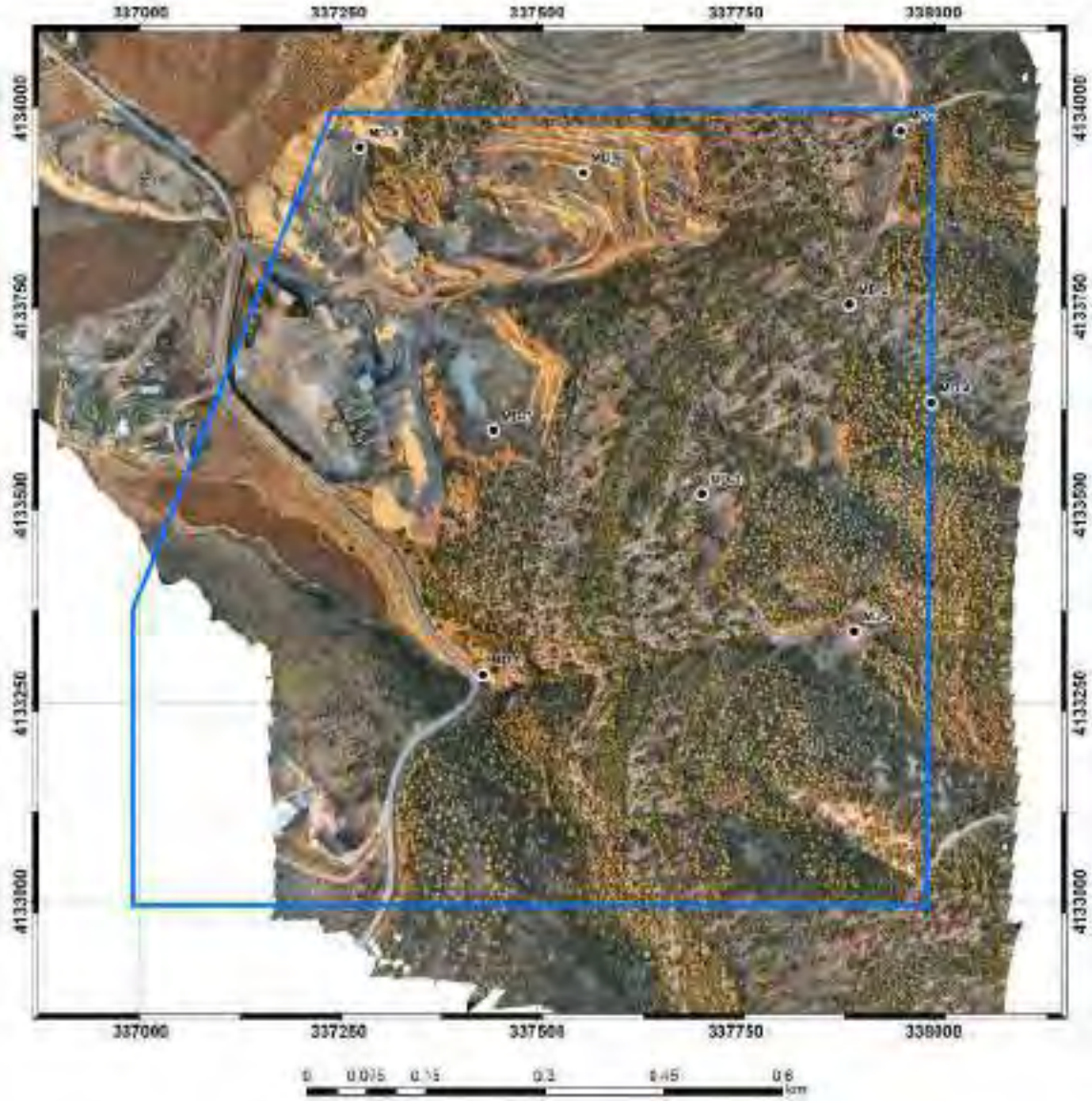
VIŞNE MADENCİLİK ÜRETİM SANAYİ VE TİC.

A. Ş.

**MITUS ARAMA**

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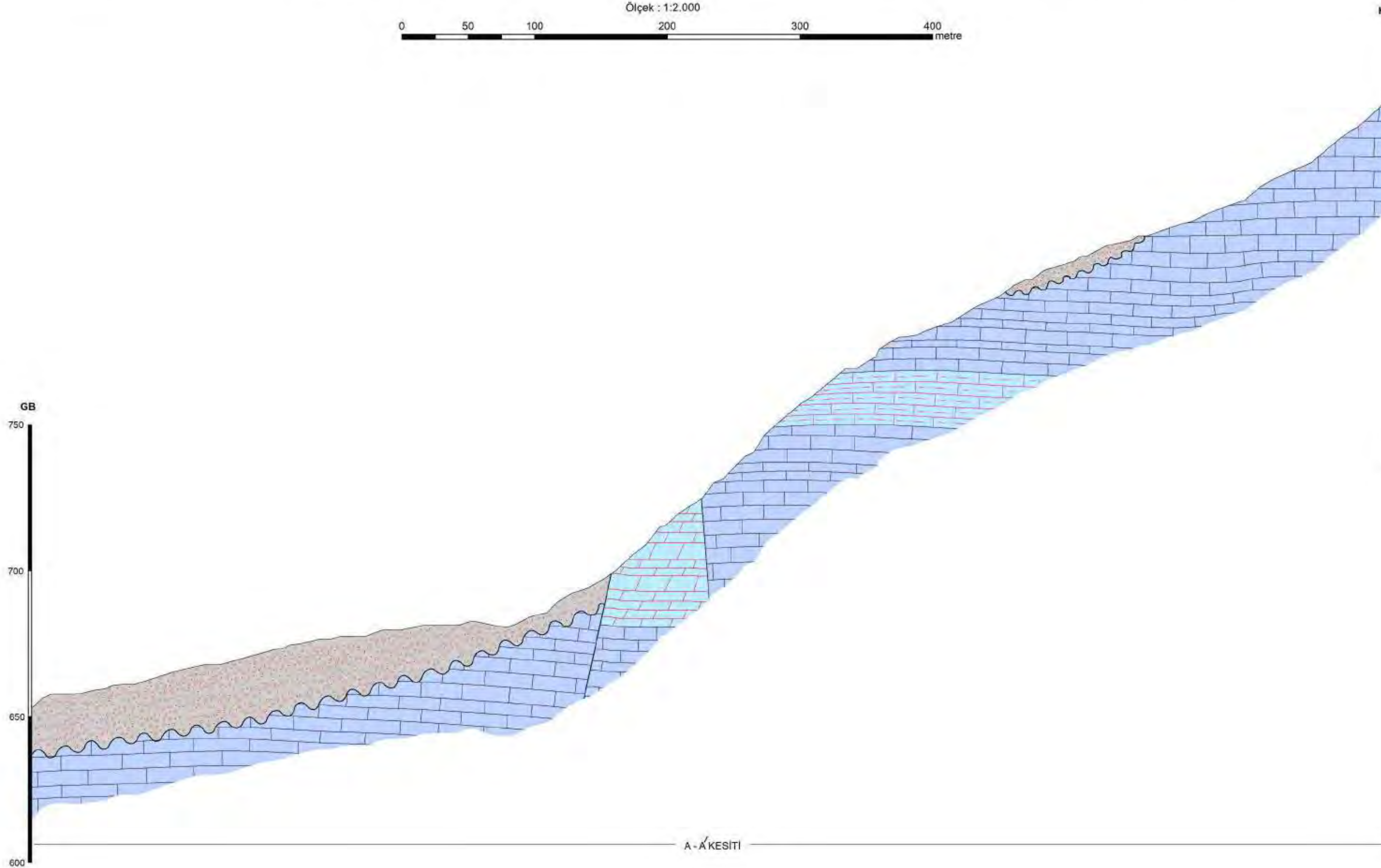
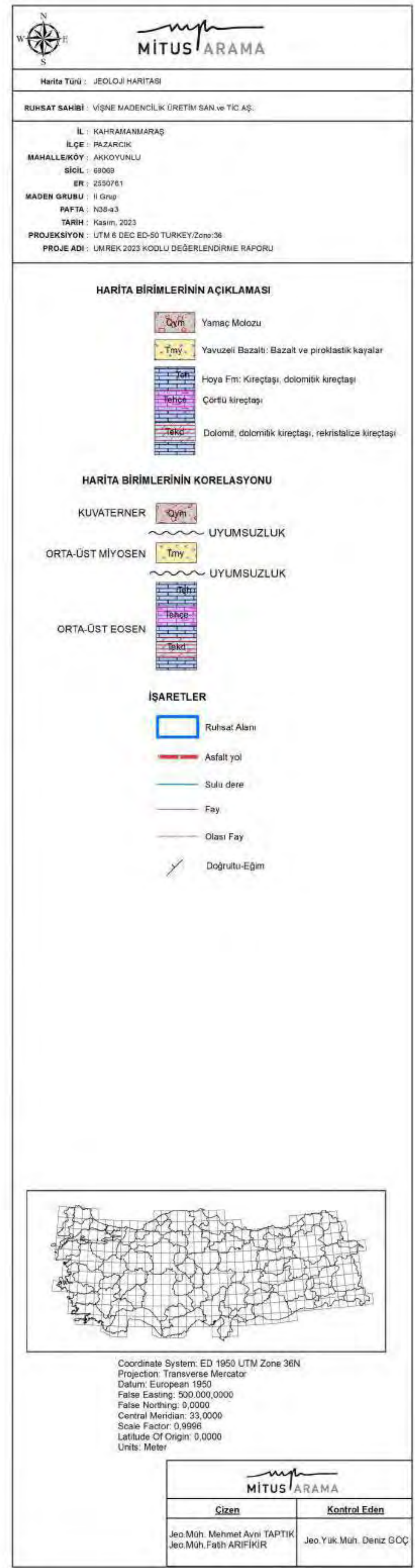
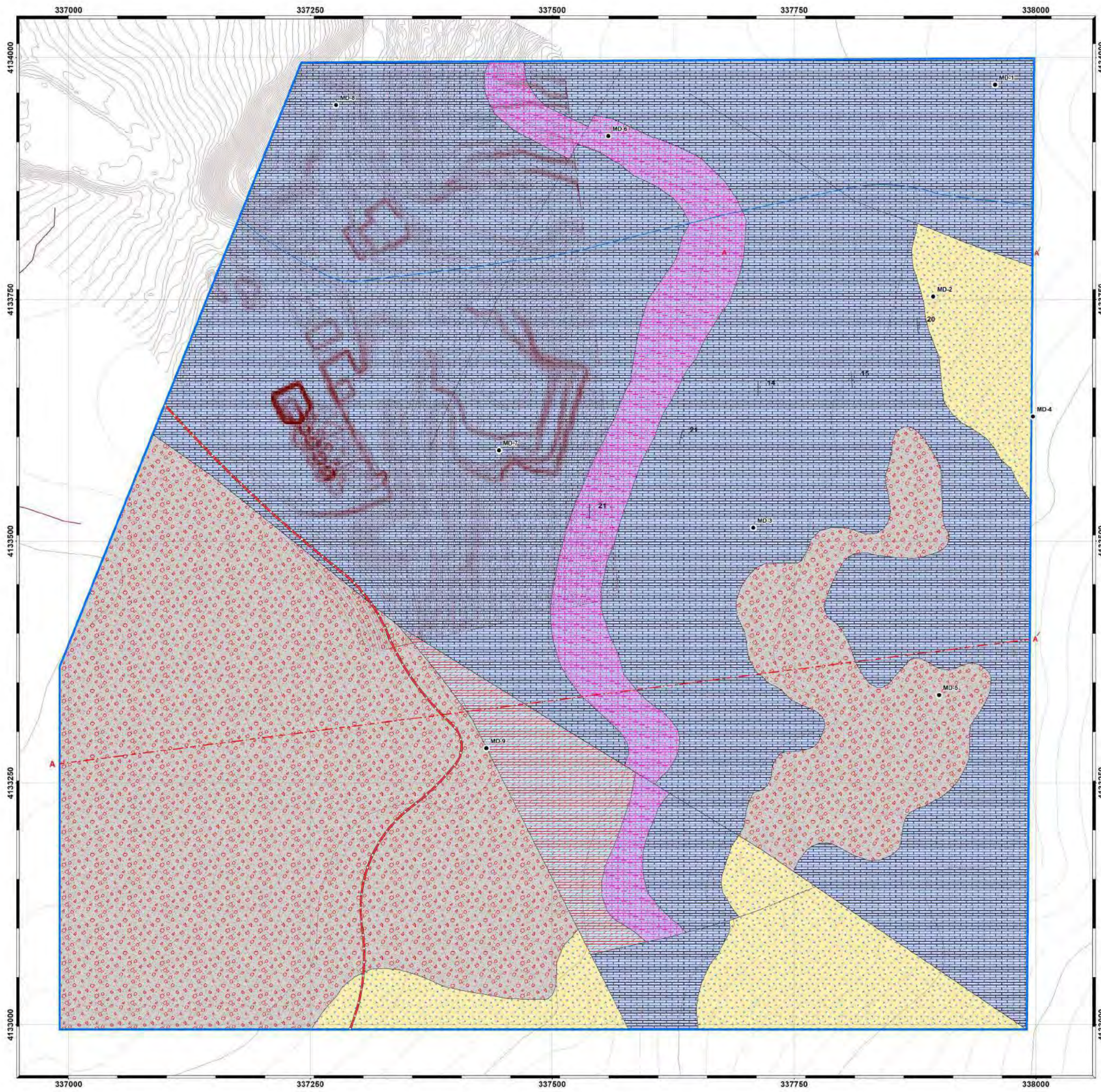


*VİŞNE MADENCİLİK ÜRETİM SANAYİ VE TİC.
A.Ş.*

için hazırlanmıştır.



1:2000 ÖLÇEKLİ DETAY
MADEN JEOLojİ
HARİTASI





SONDAJ LOGLARI

PROJE ADI : (Project Name)	ER2550761_Visne Madencilik	SONDAJ KOTU : (Borehole Elevation)	808.65	KUYU ADI (Borehole Name)		MD-2		
ER NO : (Coordinate)	2550761	SONDAJ DERİNLİĞİ : (Borehole Depth)	150	BAŞLAMA TARİHİ : (Starting Date)	21.12.2023		KOOR. SİSTEMİ : (Coordinate System)	ED-50_Zon37
LOKASYON : (Location)	Kahramanmaraş/ Pazarcık (Akkoynulu)	EĞİM : (Dip)	90	BİTİŞ TARİHİ : (Ending Date)	25.12.2023		X (KUZey) : (X-Northing)	337894
MADENİN CİNSİ : (Mineral Type)	Kireç	EĞİM YÖNÜ : (Dip Direction)	0	LOG ÖLÇEĞİ : (Log Scale)	1/100		Y (DOĞU) : (Y-Easting)	4133753

(Type of Ore)				(Dip direction)			(Log Scale)			(Y-Easting)										
				Min-Pet/XRD Analiz Sonuçları			Kimyasal Analiz Sonuçları													
				Min-Pet/XRD Analysis Results			Chemical Analysis Results													
				Derinlik (m)	Numune No	Tanımlama	Derinlik (m)	Numune No	Al ₂ O ₃ %	CaO %	SiO ₂ %	Fe ₂ O ₃ %	MnO %	Cr ₂ O ₃ %	MgO %	TiO ₂ %	A.Z. %			
Derinlik (m)	Karot Çapı	Manevra Boyu (m)	Karot Boyu	Yükseklik (g/cm ³)	Karot TCR (%)	RQD (%)	Derinlik (m)	Numune No	Tanımlama	Derinlik (m)	Numune No	Al ₂ O ₃ %	CaO %	SiO ₂ %	Fe ₂ O ₃ %	MnO %	Cr ₂ O ₃ %	MgO %	TiO ₂ %	A.Z. %
0	HQ	2.00	0.83		41.5	6.5				0										
1	HQ	2.00	0.83								17709	0.17	55.28	1.16	0.26	<0.01	<0.01	1.04	<0.01	41.99
2																				
3	HQ	2.90	2.3		79.3	10.3														
4																				
5										5										
6	HQ	2.90	2.6		89.7	13.8					17710	0.14	55.4	1.08	0.18	<0.01	<0.01	0.52	<0.01	42.59
7																				
8	HQ	2.90	2.25		77.6	22.4														
9																				
10	HQ	2.90	2.65		91.4	20.7					17711	0.4	53.39	2.82	0.5	<0.01	<0.01	1.91	<0.01	40.83
11																				
12	HQ	2.90	2.4		82.8	27.6														
13																				
14	HQ	2.90	2.5		86.2	62.1					17712	0.24	55.61	1.38	0.29	<0.01	<0.01	0.66	<0.01	41.7
15																				
16	HQ	2.90	2.3		79.3	28.6														
17																				
18	HQ	2.90	2.6		89.7	65.5														
19				2.56																
20	HQ	2.90	2.8		96.5	50.3														
21																				
22	HQ	2.90	2.55		87.9	27.8		29.10-29.25	17535	Pet: Spatik fosilli kireçtaşı	17714/17715	0.395	52.03	2.415	0.48	<0.01	<0.01	2.145	<0.01	42.38
23																				
24	HQ	2.90	2.65		91.4	32.8														
25																				
26	HQ	2.90	2.74		94.5	62.1					17716	0.06	55.19	0.24	0.07	<0.01	<0.01	0.46	<0.01	43.9
27																				
28	HQ	2.90	2.75		94.8	55.2					17717	0.08	55.96	0.51	0.15	<0.01	<0.01	0.49	<0.01	42.73
29																				
30	HQ	2.90	2.8		96.5	69.0														
31																				
32	HQ	2.90	2.85		98.3	41.4														
33																				
34	HQ	2.90	2.72		93.8	13.4		48.15-48.25	17536	Pet: Spatik fosilli kireçtaşı										
35																				
36	HQ	2.90	2.9		100.0	44.8														
37				2.55																
38	HQ	2.90	2.9		100.0	75.9					17720	0.1	55.33	0.56	0.14	<0.01	<0.01	0.44	<0.01	43.32
39																				
40	HQ	2.90	2.7		93.1	37.9														
41																				
42	HQ	2.90	2.9		100.0	69.0					17721/17722	0.14	55.755	0.705	0.15	<0.01	<0.01	0.525	<0.01	42.61
43																				
44	HQ	2.90	2.8		96.5	67.2														
45																				
46	HQ	2.90	2.8		96.5	82.8					17723	0.21	54.81	1.06	0.27	<0.01	<0.01	1.21	<0.01	42.27
47																				
48	HQ	2.90	2.9		100.0	93.1					17724	0.23	53.61	1.14	0.27	<0.01	<0.01	2.15	<0.01	42.42
49																				
50	HQ	2.90	2.6		89.7	86.2														
51																				
52	HQ	2.90	2.9		100.0	93.1					17725	0.19	54.35	0.92	0.2	<0.01	<0.01	1.95	<0.01	42.23
53																				
54	HQ	2.90	2.9		100.0	82.8														
55																				
56	HQ	2.90	2.9		100.0	72.4					17726	0.3	53.78	1.44	0.38	<0.01	<0.01	1.78	<0.01	42.11
57																				
58	HQ	2.90	2.8		96.5	55.2														
59																				
60	HQ	2.90	2.8		96.5	82.8														
61																				
62	HQ	2.90	2.9		100.0	56.9					17728	0.16	55.48	0.71	0.15	<0.01	<0.01	1.49	<0.01	41.88
63																				
64	HQ	2.90	2.75		94.8	44.8														
65																				
66	HQ	2.90	2.9		100.0	69.0					17729	<0.01	55.79	0.13	0.06	<0.01	<0.01	0.38	<0.01	43.58
67																				
68	HQ	2.90	2.9		100.0	75.9														
69																				
70	HQ	2.90	2.9		100.0	69.0					17730	0.05	55.4	0.17	0.06	<0.01	<0.01	0.31	<0.01	43.96
71																				
72	HQ	2.70	2.7		100.0	77.8														
73																				
74	HQ	2.70	2.5		92.6	37.0														
75																				
76	HQ	2.70	2.6		96.3	63.0					17732	0.04	55.98	0.12	0.05	<0.01	<0.01	0.58	<0.01	43.19
77																				
78	HQ	2.70	2.7		100.0	92.6														
79																				
80	HQ	2.70	2.7		100.0	81.5					17733	0.01	55.91	0.06	0.03	<0.01	<0.01	0.34	<0.01	43.59
81																				
82	HQ	2.70	2.7		100.0	79.6														
83																				
84	HQ	2.70	2.7		100.0	83.3					17734	<0.01	56.01	0.1	0.03	<0.01	<0.01	0.64	<0.01	43.16
85																				
86	HQ	2.70	2.7		100.0	96.3														
87																				
88	HQ	2.70	2.7		100.0	94.1					17735	0.05	54.49	0.22	0.07	<0.01	<0.01	2.38	<0.01	42.68
89																				
90	HQ	2.80	2.8		100.0	73.2														
91																				
92	HQ	2.90	2.9		100.0	94.8					17736	0.13	50.42	0.53	0.18	<0.01	<0.01	4.65	<0.01	43.92
93																				
94	HQ	2.90	2.9		100.0	87.2														
95																				
96	HQ	2.90	2.9		100.0	95.9					17737	0.08	54.09	0.4	0.14	<0.01	<0.01	2.59	<0.01	42.58
97																				
98	HQ	2.90	2.9		100.0	95.9														
99																				
100	HQ	2.80	2.8		100.0	96.2														
101																				
102	HQ	2.90	2.85		98.3	93.1														

[illegible]

PROJE ADI : ER2550761_Vişne Madencilik (Project Name)		SONDAJ KOTU : 792.13 (Borehole Elevation)		KUYU ADI (Borehole Name)		MD-3	
ER NO : 2550761		SONDAJ DERİNLİĞİ : 150 (Borehole Depth)		BAŞLAMA TARİHİ : 25.12.2023 (Starting Date)		KOOR. SİSTEMİ : ED-50_Zon37 (Coordinate Sysytem)	
LOKASYON : Kahramanmaraş/ Pazarcık (Akkoyunlu) (Location)		EĞİM : 90 (Dip)		BİTİŞ TARİHİ : 28.12.2023 (Ending Date)		X (KUZEY) : 337708 (x-Northing)	
MADENİN CİNSİ : Kireç (Type of Ore)		EĞİM YÖNÜ : 0 (Dip direction)		LOG ÖLÇEĞİ : 1/100 (Log Scale)		Y (DOĞU) : 4133514 (Y-Easting)	
				Min-Pet/XRD Analiz Sonuçları		Kimyasal Analiz Sonuçları	

Min-Pet/XRD Analysis Results										Chemical Analysis Results														
Derinlik (m) Depth (m)	Karot Çapı Core Diameter	Manevra Boyu (m) Run Length (m)	Karot Boyu Core Length (m)	Yönümlük (örçm) Intensity (arcm 13	Karot TCR (%)	Total Core Recovery	ROD (%)	LİTOLOJİ Lithology	TANIMLAMA Description	Derinlik (m) Depth (m)	Numune No Sample No	Tanımlama Description	Derinlik (m) Depth (m)	Numune No Sample No	Al ₂ O ₃ %	CaO %	SiO ₂ %	Fe ₂ O ₃ %	MnO %	Cr ₂ O ₃ %	MgO %	TiO ₂ %	A.2 %	
0									(0.00-20.00) Limestone: Bej, grimsi renkli, sarımsı renkli oksit yüzeyli, yer yer 1-5 cm kalınlıklı kili kireçtaşı tabakalı, parçalı.				0											
1	HQ	2.00	1		80.0	17.0								17845	0.15	55.55	1.11	0.25	<0.01	<0.01	0.49	<0.01	42.38	
2																								
3																								
4	HQ	2.90	2.6		89.7	22.8																		
5																								
6																								
7	HQ	2.90	2.9		100.0	27.6																		
8																								
9	HQ	2.90	2.9		100.0	51.7																		
10																								
11																								
12	HQ	2.90	2.9		100.0	25.9																		
13																								
14				2.53																				
15	HQ	2.90	2.9		100.0	37.9																		
16																								
17																								
18	HQ	2.90	2.9		100.0	41.4																		
19																								
20																								
21	HQ	2.90	2.9		100.0	98.3			(20.00-45.00) Dolomitic Limestone: Griimsi, sarımsı renkli, yer yer 1-5 cm aralığında kalınlık sunan ve 41.50-44.00 m aralığında kahverengimsi renkli, zayıf dayanımlı kili kireçtaşı tabakalı, masif, yer yer kırıklı çatlaklı ve fosil kavkıldır.															
22																								
23																								
24	HQ	2.90	2.8		96.5	74.8																		
25																								
26																								
27	HQ	2.90	2.9		100.0	87.9																		
28																								
29																								
30	HQ	2.90	2.9		100.0	56.9																		
31																								
32																								
33	HQ	2.90	2.9		100.0	75.9																		
34																								
35																								
36	HQ	2.90	2.9		100.0	62.1																		
37																								
38	HQ	2.90	2.9		100.0	65.5																		
39																								
40																								
41	HQ	2.90	2.9		100.0	89.7																		
42																								
43																								
44	HQ	2.90	2.9		100.0	72.4																		
45																								
46																								
47	HQ	2.90	2.9		100.0	46.5			(45.00-80.00) Limestone: Bej, grimsi renkli, sarımsı renkli oksit yüzeyli, yer yer 1-5 cm kalınlıklı ve 58.00-64.50 m aralığında kahverengimsi renkli, kırıklı-parçalı, zayıf dayanımlı, kili kireçtaşı tabakalı ve fosil kavkıldır.															
48																								
49																								
50	HQ	2.90	2.9		100.0	51.7																		
51																								
52																								
53	HQ	2.90	2.9		100.0	58.6																		
54																								
55																								
56	HQ	2.90	2.9		100.0	34.5																		
57																								
58																								
59	HQ	2.90	2.9		100.0	65.5																		
60																								
61																								
62	HQ	2.90	2.9		100.0	56.9																		
63																								
64																								
65	HQ	2.90	2.9		100.0	70.7																		
66																								
67																								
68	HQ	2.90	2.9		100.0	69.0																		
69																								
70	HQ	2.90	2.9		100.0	69.0																		
71																								
72																								

[illegible]

PROJE ADI : ER2550761_Vişne Madencilik (Project Name)		SONDAJ KOTU : 732.25 (Borehole Elevation)		KUYU ADI (Borehole Name)		MD-6					
ER NO : 2550761		SONDAJ DERİNLİĞİ : 150 (Borehole Depth)		BAŞLAMA TARİHİ : 21.11.2023 (Starting Date)		KOOR. SİSTEMİ : ED-50_Zon37 (Coordinate System)					
LOKASYON : Kahramanmaraş/ Pazarcık (Akkoynulu) (Location)		EGİM : 90 (Dip)		BİTİŞ TARİHİ : 30.11.2023 (Ending Date)		X (KUZEY) : 337558 (X-Northing)					
MADENİN CİNSİ : Kireç (Type of Ore)		EGİM YÖNÜ : 0 (Dip direction)		LOG ÖLÇEĞİ : 1/100 (Log Scale)		Y (DOĞU) : 4133919 (Y-Easting)					
				Min-PetXRD Analiz Sonuçları Min-PetXRD Analysis Results				Kimyasal Analiz Sonuçları Chemical Analysis Results			

[illegible]

TARİH : 25.01.2024 <i>Date</i>	
SONDAJ JEOLÖĞÜ : <i>Borehole Geologist</i>	Jeo. Müh. M. Avni TAPTIK



SONDAJ LOGU
BOREHOLE LOG

EK 2

MİTUS ARAMA VE PROJE AS.

PROJE ADI : ER2550761_Vişne Madencilik <i>(Project Name)</i>	SONDAJ KOTU : 705.25 <i>(Borehole Elevation)</i>	KUYU ADI <i>(Borehole Name)</i>	MD-7
ER NO : 2550761	SONDAJ DERİNLİĞİ : 100 <i>(Borehole Depth)</i>	BAŞLAMA TARİHİ : 1.12.2023 <i>(Starting Date)</i>	KOOR. SİSTEMİ : ED-50_Zon37 <i>(Coordinate Ssystem)</i>
LOKASYON : Kahramanmaraş/ Pazarcık (Akkoyunlu) <i>(Location)</i>	EĞİM : 90 <i>(Dip)</i>	BİTİŞ TARİHİ : 3.12.2023 <i>(Ending Date)</i>	X (KUZEY) : 337445 <i>(X-Northing)</i>
MADENİN CİNSİ : Kireç <i>(Type of Ore)</i>	EĞİM YÖNÜ : 0 <i>(Dip direction)</i>	LOG ÖLÇEĞİ : 1/100 <i>(Log Scale)</i>	Y (DOĞU) : 4133594 <i>(Y-Easting)</i>

[illegible]

TARİH : 28.12.2023 <i>Date</i>	
SONDAJ JEOLÖĞÜ : Jeo. Müh. M. Avni TAPTIK <i>Borehole Geologist</i>	
KONTROL EDEN : Jeo. Yük. Müh. Deniz GÖC	



SONDAJ LOGU
BOREHOLE LOG

EK 2

MİTUS ARAMA VE PROJE AŞ.

PROJE ADI : ER2550761_ Vişne Madencilik (Project Name)			SONDAJ KOTU : 693.98 (Borehole Elevation)		KUYU ADI (Borehole Name)		MD-8
ER NO : 2550761			SONDAJ DERİNLİĞİ : 50 (Borehole Depth)		BAŞLAMA TARİHİ : 4.12.2023 (Starting Date)		KOOR. SİSTEMİ : ED-50_Zon37 (Coordinate Sysytem)
LOKASYON : Kahramanmaraş/ Pazarcık (Akkoyunlu) (Location)			EĞİM : 90 (Dip)		BİTİŞ TARİHİ : 10.12.2023 (Ending Date)		X (KUZEY) : 337276.561 (X-Northing)
MADENİN CİNSİ : Kireç (Type of Ore)			EĞİM YÖNÜ : 0 (Dip direction)		LOG ÖLÇEĞİ : 1/100 (Log Scale)		Y (DOĞU) : 4133951 (Y-Easting)

Derinlik (m) Depth (m)	Korot Çapı Core Diameter	Manevra Boyu (m) Run Length (m)	Korot Boyu Core Length (m)	Yoğunluk (gr/cm ³) Intensity (gr/cm ³)	Korot TCR (%) Total Core Recovery	RQD (%) Rock Quality Des	LİTOLOJİ Lithology	TANIMLAMA Description	Min-Pet/XRD Analiz Sonuçları Min-Pet/XRD Analysis Results			Kimyasal Analiz Sonuçları Chemical Analysis Results																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
									Derinlik (m) Depth (m)	Numune No Sample No	Tanımlama Description	Derinlik (m) Depth (m)	Numune No Sample No	Al ₂ O ₃ %	CaO %	SiO ₂ %	Fe ₂ O ₃ %	MnO%	Cr ₂ O ₃ %	MgO%	TiO ₂ %	A.Z%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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										TARİH : 18.12.2023 Date	
										SONDAJ JEOLÖĞÜ : Jeo. Müh. M. Avni TAPTIK Borehole Geologist	
										KONTROL EDEN : Jeo.Yük. Müh. Deniz GÖÇ Controlling	

MITUS ARAMA VE PROJE AŞ.										SONDAJ LOGU BOREHOLE LOG										EK 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
PROJE ADI : ER2550761_Vişne Madencilik (Project Name)										SONDAJ KOTU : 696.56 (Borehole Elevation)					KUYU ADI (Borehole Name)					MD-9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
ER NO : 2550761										SONDAJ DERİNLİĞİ : 80 (Borehole Depth)					BAŞLAMA TARİHİ : 24.12.2023 (Starting Date)					KOOR. SİSTEMİ : ED-50_Zon37 (Coordinate Sysytem)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
LOKASYON : Kahramanmaraş/ Pazarcık (Akkoyunlu) (Location)										EGİM : 90 (Dip)					BİTİŞ TARİHİ : 2.01.2024 (Ending Date)					X (KUZEY) : 337432 (X-Northing)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
MADENİN CİNSİ : Kireç (Type of Ore)										EGİM YÖNÜ : 0 (Dip direction)					LOG ÖLÇEĞİ : 1/100 (Log Scale)					Y (DOĞU) : 4133286 (Y-Easting)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Derinlik (m) Depth (m)	Karat Çapı Core Diameter	Manevra Boyu (m) Run Length (m)	Karat Boyu Core Length (m)	Yoğunluk (gr/cm ³) Intensity (gr/cm ³)	Karat TCR (%) Total Core Recovery	RQD (%) Rock Quality Des	LİTOLOJİ Lithology	TANIMLAMA Description	Min-Pet/XRD Analiz Sonuçları Min-Pet/XRD Analysis Results			Kimyasal Analiz Sonuçları Chemical Analysis Results																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
									Derinlik (m) Depth (m)	Numune No Sample No	Tanımlama Description	Derinlik (m) Depth (m)	Numune No Sample No	Al ₂ O ₃ %	CaO %	SiO ₂ %	Fe ₂ O ₃ %	MnO%	Cr ₂ O ₃ %	MgO%	TiO ₂ %	AZ%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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TARİH : 18.12.2023 <i>Date</i> </



KAROT SANDIK FOTOĞRAFLARI

MD-1



MD-1



MD-1 S.N.009



MD-1 S.N.010



MD-1 S.N.011



MD-1 S.N.012



MD-1 S.N.013



MD-1 S.N.014



MD-1 S.N.015



MD-1 S.N.016

MD-1



MD-1



MD-1



MD-1 S.N.033



MD-1 S.N.034



MD-1 S.N.035



MD-1 S.N.036



MD-1 S.N.037



MD-1 S.N.038



MD-1 S.N.039



MD-1 S.N.040

MD-1



MD-1 S.N.041



MD-1 S.N.042



MD-1 S.N.043



MD-1 S.N.044



MD-1 S.N.045



MD-1 S.N.046



MD-1 S.N.047



MD-1 S.N.048

MD-1



MD-1 S.N.049



MD-1 S.N.050

MD-2



MD-2 S.N.001



MD-2 S.N.002



MD-2 S.N.003



MD-2 S.N.004



MD-2 S.N.005



MD-2 S.N.006



MD-2 S.N.007



MD-2 S.N.008

MD-2



MD-2



MD-2



MD-2



MD-2 S.N.033



MD-2 S.N.034



MD-2 S.N.035



MD-2 S.N.036



MD-2 S.N.037



MD-3 S.N.001



MD-3 S.N.002



MD-3 S.N.003



MD-3 S.N.004



MD-3 S.N.005



MD-3 S.N.006



MD-3 S.N.007



MD-3 S.N.008

MD-3



MD-3



MD-3 S.N.017



MD-3 S.N.018



MD-3 S.N.019



MD-3 S.N.020



MD-3 S.N.021



MD-3 S.N.022



MD-3 S.N.023



MD-3 S.N.024



MD-3 S.N.025



MD-3 S.N.026



MD-3 S.N.027



MD-3 S.N.028



MD-3 S.N.029



MD-3 S.N.030



MD-3 S.N.031



MD-3 S.N.032



MD-3 S.N.033



MD-3 S.N.034



MD-3 S.N.035



MD-3 S.N.036



MD-3 S.N.037



MD-3 S.N.038

MD-4



MD-4



MD-4 S.N.009



MD-4 S.N.010



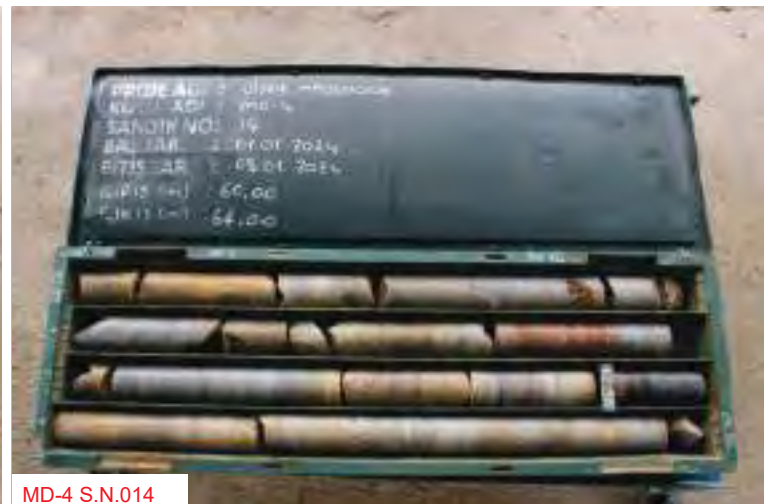
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MD-4 S.N.012



MD-4 S.N.013



MD-4 S.N.014



MD-4 S.N.015

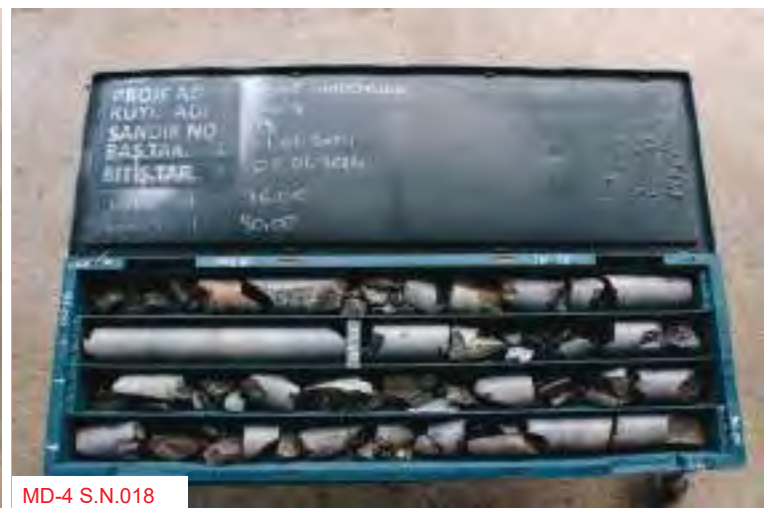


MD-4 S.N.016

MD-4



MD-4 S.N.017



MD-4 S.N.018



MD-4 S.N.019



MD-4 S.N.020



MD-4 S.N.021



MD-4 S.N.022



MD-4 S.N.023



MD-4 S.N.024

MD-4



MD-4 S.N.025



MD-4 S.N.026



MD-4 S.N.027



MD-4 S.N.028



MD-4 S.N.029



MD-4 S.N.030



MD-4 S.N.031



MD-4 S.N.032

MD-4



MD-4 S.N.033



MD-4 S.N.034



MD-4 S.N.035



MD-4 S.N.036



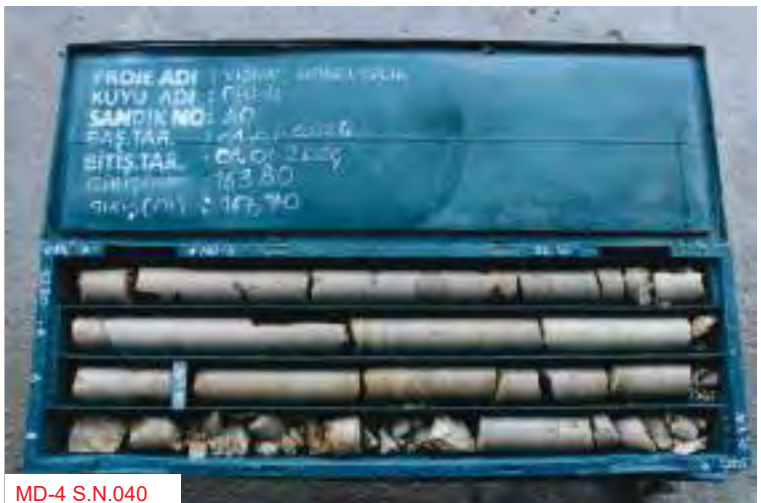
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MD-4 S.N.038



MD-4 S.N.039



MD-4 S.N.040

MD-4



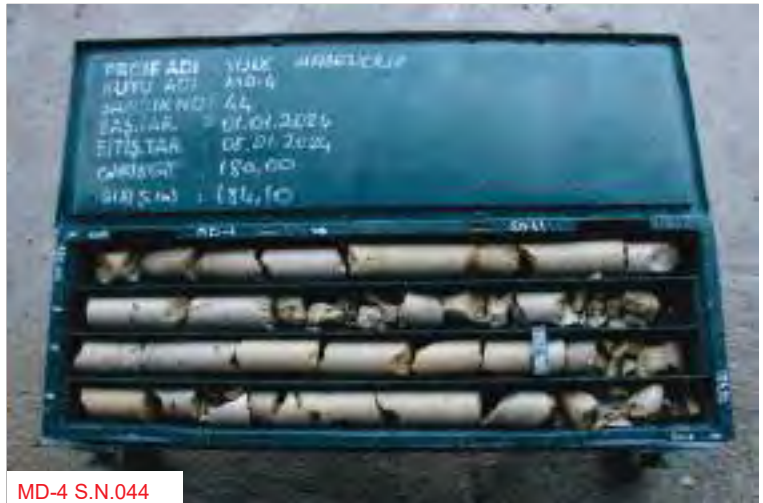
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MD-4 S.N.042



MD-4 S.N.043



MD-4 S.N.044



MD-4 S.N.045



MD-4 S.N.046



MD-4 S.N.047



MD-4 S.N.048

MD-5



MD-5 S.N.001



MD-5 S.N.002



MD-5 S.N.003



MD-5 S.N.004



MD-5 S.N.005



MD-5 S.N.006



MD-5 S.N.007



MD-5 S.N.008

MD-5



MD-5 S.N.009



MD-5 S.N.010



MD-5 S.N.011



MD-5 S.N.012



MD-5 S.N.013



MD-5 S.N.014



MD-5 S.N.015



MD-5 S.N.016



MD-5 S.N.017



MD-5 S.N.018



MD-5 S.N.019



MD-5 S.N.020



MD-5 S.N.021



MD-5 S.N.022



MD-5 S.N.023



MD-5 S.N.024

MD-5



MD-5



MD-5 S.N.033



MD-5 S.N.034



MD-5 S.N.035



MD-5 S.N.036



MD-5 S.N.037

MD-6



MD-6 S.N.001



MD-6 S.N.002



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MD-6 S.N.008

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MD-6 S.N.021



MD-6 S.N.022



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MD-6 S.N.024

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MD-6 S.N.025



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MD-6 S.N.029



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MD-6 S.N.032

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MD-6 S.N.033



MD-6 S.N.034



MD-6 S.N.035



MD-6 S.N.036

MD-7



MD-7



MD-7 S.N.009



MD-7 S.N.010



MD-7 S.N.011



MD-7 S.N.012



MD-7 S.N.013



MD-7 S.N.014



MD-7 S.N.015



MD-7 S.N.016

MD-7



MD-8



MD-8 S.N.001



MD-8 S.N.002



MD-8 S.N.003



MD-8 S.N.004



MD-8 S.N.005



MD-8 S.N.006



MD-8 S.N.007



MD-8 S.N.008

MD-8



MD-8 S.N.009



MD-8 S.N.010



MD-8 S.N.011

MD-9



MD-9 S.N.001



MD-9 S.N.002



MD-9 S.N.003



MD-9 S.N.004



MD-9 S.N.005



MD-9 S.N.006



MD-9 S.N.007

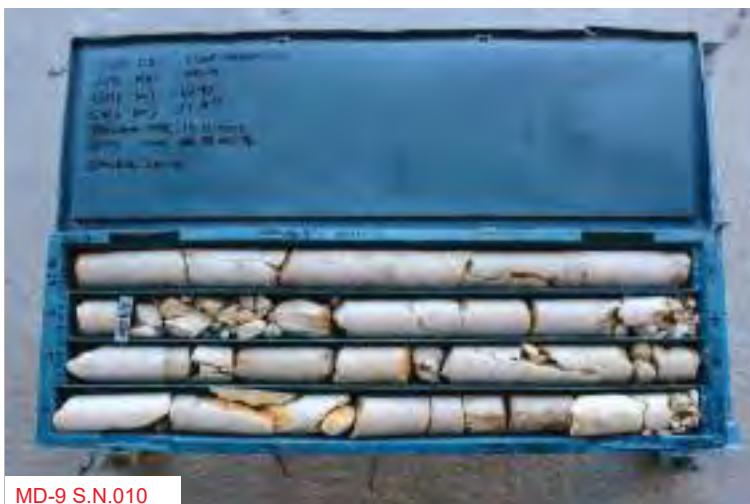


MD-9 S.N.008

MD-9



MD-9 S.N.009



MD-9 S.N.010



MD-9 S.N.011



MD-9 S.N.012



MD-9 S.N.013



MD-9 S.N.014



MD-9 S.N.015



MD-9 S.N.016

MD-9



MD-9 S.N.017



SONDAJ KUYUSU LOKASYON FOTOĞRAFLARI

SONDAJ LOKASYONLARI



SONDAJ LOKASYONLARI



SONDAJ LOKASYONLARI





XRF ANALİZ SONUÇLARI

CERTIFICATE OF ANALYSIS / ANALİZ RAPORU

AGT2330435

MÜŞTERİ BİLGİLERİ / CLIENT JOB INFORMATION

Müşteri Adı / Client	: VIŞNE MAD.ÜRETİM SAN. VE TİC.A.Ş.
Kabul Tarihi / Received Date	: 11.12.2023
İş Numarası / Job Number	: AGT2330435
Numune Sayısı / Number of Sample	: 7
Proje Adı / Project	: 2550761 (Batch No: 2550761-0003)
Rapor Tarihi / Reported Date	: 18.12.2023

LABORATUVAR PROSEDÜRLERİ / LABORATORY PROCEDURES

WGHT	Received Sample Weight
PREP70-500	Dry at 80 degree, crush 1 kg 70% < 2 mm / pulverization 500 g. 85% < 75 micron
XRF WR-01	XRF Press Pellet

ADDITIONAL COMMENTS / Ek Açıklamalar

A. Bulur
Abdullah BUHUR
Laboratory Manager



Türk Akreditasyon Kurumu(TÜRKAK) deney raporlarının tanınması konusunda **Avrupa Akreditasyon Birliği(EA) ve Uluslararası Laboratuvar Akreditasyon Birliği(ILAC)** ile karşılıklı tanınma antlaşmasını imzalamıştır. / The Turkish Accreditation Agency(TURKAK) is signatory to the multilateral agreements of the **European co-operation for the Accreditation(EA)** and **The International Laboratory Accreditation Cooperation(ILAC)** for the mutual recognition of test reports. Laboratuvarımız TÜRK AKREDITASYON KURUMU tarafından akredite edilmiştir. Akreditasyon kapsamındaki analizler “*” ile belirtilmiştir. Bu rapor laboratuvar izni olmaksızın kopyalanıp çoğaltılamaz. İmzasız ve mühürsüz raporlar geçersizdir. Sonuçlar sadece analizi yapılan numuneye aittir. Analizler kuru bazda ve 25 ± 3 °C’de yapılmıştır. / Our laboratory accredited by TURKISH ACCREDITATION AGENCY.This report shall not be reproduced other than in full except with permission of the laboratory. Testin reports without signature and seal are not valid. Results are only belong to the analyzed sample. Analyses were made at 25 ± 3 °C. Şahit numunesinin arşivde saklama süresi 6 aydır ve analizlere ancak bu süre içinde itiraz edilebilir. Genişletilmiş ölçüm belirsizlikleri ve karar kuralı laboratuvarından talep edildiği durumlarda raporda belirtilir. / Retention period of witness samples in the archive are 6 months and analysis could have contested only during this time. Expanded measurement uncertainty and decision rule will stated in the report upon client request. Deney ve/veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve deney metodları bu sertifikanın tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir. / The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.

CERTIFICATE OF ANALYSIS

AGT2330435

	Method	WGHT	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01
	Analyte	Wgt	* Al2O3	* CaO	SrO	BaO	* Na2O	SO3	* SiO2	Fe2O3	MnO	Cr2O3	MgO	P2O5	TiO2	* K2O	* LOI1000
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-10
Sample	Type																
18512	ROCK	2.31	0.09	55.71	0.02	<0.01	<0.01	0.08	0.39	0.12	<0.01	<0.01	0.30	<0.01	<0.01	<0.01	43.27
18513	ROCK	2.9	0.12	56.03	0.03	<0.01	<0.01	0.08	8.73	0.41	<0.01	0.07	0.39	0.01	<0.01	0.01	34.14
18514	ROCK	2.5	0.13	55.67	0.03	<0.01	<0.01	0.04	0.81	0.16	<0.01	<0.01	0.56	<0.01	<0.01	<0.01	42.60
18515	ROCK	2.1	0.10	55.90	0.03	<0.01	<0.01	0.04	0.66	0.15	<0.01	<0.01	0.35	<0.01	<0.01	<0.01	42.77
18516	ROCK	2.78	0.04	55.68	0.03	<0.01	<0.01	0.02	0.12	0.06	<0.01	<0.01	0.37	<0.01	<0.01	<0.01	43.68
18517	ROCK	1.76	0.08	55.65	0.03	<0.01	<0.01	0.06	0.26	0.10	<0.01	<0.01	0.28	0.01	<0.01	<0.01	43.51
18518	ROCK	1.72	0.19	53.32	0.03	<0.01	<0.01	0.05	11.88	0.48	<0.01	0.05	1.22	0.02	<0.01	0.02	32.73

CERTIFICATE OF ANALYSIS / ANALİZ RAPORU

AGT240073R

MÜŞTERİ BİLGİLERİ / CLIENT JOB INFORMATION

Müşteri Adı / Client	: VIŞNE MAD.ÜRETİM SAN. VE TİC.A.Ş.
Kabul Tarihi / Received Date	: 22.01.2024
İş Numarası / Job Number	: AGT240073R
Numune Sayısı / Number of Sample	: 44
Proje Adı / Project	: 2550761 (Batch No: 2550761-0005)
Rapor Tarihi / Reported Date	: 26.01.2024

LABORATUVAR PROSEDÜRLERİ / LABORATORY PROCEDURES

WGHT	Received Sample Weight
PREP70-500	Dry at 80 degree, crush 1 kg 70% < 2 mm / pulverization 500 g. 85% < 75 micron
XRF WR-01	XRF Press Pellet

ADDITIONAL COMMENTS / Ek Açıklamalar

A. Buhur
Abdullah BUHUR
Laboratory Manager



Deney laboratuvarları olarak faaliyet gösteren **ARGETEST TÜRKAK** tan **AB-0742-T** ile **TS EN ISO/IEC 17025:2017** standartına göre akredite edilmiştir. **ARGETEST** accredited by **TÜRKAK** under registration number **AB-0742-T** for **TS EN ISO/IEC 17025:2017** as test laboratory.

Türk Akreditasyon Kurumu(TÜRKAK) deney raporlarının tanınması konusunda **Avrupa Akreditasyon Birliği(EA) ve Uluslararası Laboratuvar Akreditasyon Birliği(ILAC)** ile karşılıklı tanınma antlaşmasını imzalamıştır. / The Turkish Accreditation Agency(TURKAK) is signatory to the multilateral agreements of the **European co-operation for the Accreditation(EA)** and **The International Laboratory Accreditation Cooperation(ILAC)** for the mutual recognition of test reports.

Laboratuvarımız TÜRK AKREDİTASYON KURUMU tarafından akredite edilmiştir. Akreditasyon kapsamındaki analizler "*" ile belirtilmiştir. Bu rapor laboratuvar izni olmaksızın kopyalanıp çoğaltılamaz. İmzasız ve mühürsüz raporlar geçersizdir. Deney raporunda yer alan analiz sonuçları müşteri tarafından getirilen numuneye aittir ve Argetest temsil özelliğinden sorumlu değildir. Analizler kuru bazda ve 25 ± 3 °C'de yapılmıştır. / Our laboratory accredited by TURKISH ACCREDITATION AGENCY. This report shall not be reproduced other than in full except with permission of the laboratory. Testing reports without signature and seal are not valid. The analysis results included in the test report belong to the sample brought by the customer and Argetest is not responsible for its representativeness. Analyses were made at 25 ± 3 °C.

İİM: İşletme içi metod/In house method.

Şahit numunesinin arşivde saklama süresi 6 aydır ve analizlere ancak bu süre içinde itiraz edilebilir. Genişletilmiş ölçüm belirsizlikleri ve karar kuralı laboratuvarından talep edildiği durumlarda raporda belirtilir. / Retention period of witness samples in the archive are 6 months and analysis could have contested only during this time. Expanded measurement uncertainty and decision rule will be stated in the report upon client request.

CERTIFICATE OF ANALYSIS

AGT240073R

	Method	WGHT	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01
	Analyte	Wgt	* Al2O3	* CaO	SrO	BaO	* Na2O	SO3	* SiO2	Fe2O3	MnO	Cr2O3	MgO	P2O5	TiO2	* K2O	* LOI1000
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-10
Sample	Type																
17279	DRILL CORE	3.8	0.20	55.84	0.03	<0.01	<0.01	0.04	1.09	0.28	<0.01	<0.01	0.48	<0.01	<0.01	0.01	41.57
17280	DRILL CORE	4.06	0.26	54.85	0.03	<0.01	<0.01	0.04	1.68	0.35	<0.01	<0.01	0.64	<0.01	<0.01	0.01	42.09
17281	DRILL CORE	4.95	0.21	52.64	0.03	<0.01	<0.01	0.08	1.49	0.30	<0.01	<0.01	1.56	<0.01	<0.01	<0.01	43.65
17282	DRILL CORE	4.62	0.16	53.92	0.03	<0.01	<0.01	0.06	1.04	0.21	<0.01	<0.01	0.93	<0.01	<0.01	0.01	43.15
17283	DRILL CORE	5.39	0.20	51.90	0.02	<0.01	<0.01	0.10	1.18	0.25	<0.01	<0.01	3.02	<0.01	<0.01	0.01	42.77
17284	DRILL CORE	5.16	0.30	49.76	0.03	<0.01	<0.01	0.12	1.89	0.47	<0.01	<0.01	4.30	<0.01	<0.01	0.02	42.53
17285	DRILL CORE	6.24	0.32	51.93	0.04	<0.01	<0.01	0.10	1.72	0.41	<0.01	<0.01	1.73	<0.01	<0.01	0.02	43.34
17286	DRILL CORE	6.3	0.28	50.89	0.03	<0.01	<0.01	0.13	1.51	0.42	<0.01	<0.01	3.51	<0.01	<0.01	0.01	42.73
17287	DRILL CORE	5.58	1.01	41.79	0.03	<0.01	<0.01	0.18	6.17	1.48	<0.01	0.05	6.89	<0.01	<0.01	0.06	42.06
17288	DRILL CORE	6.59	0.18	55.17	0.03	<0.01	<0.01	0.07	0.91	0.23	<0.01	<0.01	0.72	<0.01	<0.01	0.01	42.23
17289	DRILL CORE	7.12	0.09	55.09	0.03	<0.01	<0.01	0.06	0.44	0.11	<0.01	<0.01	0.54	<0.01	<0.01	<0.01	42.76
17290	DRILL CORE	5.93	0.07	56.01	0.03	<0.01	<0.01	0.05	0.39	0.11	<0.01	<0.01	0.47	<0.01	<0.01	<0.01	42.39
17291	DRILL CORE	6.33	0.10	55.41	0.04	<0.01	<0.01	0.06	0.46	0.13	<0.01	<0.01	0.48	<0.01	<0.01	<0.01	42.45
17292	DRILL CORE	5.36	0.16	54.84	0.04	<0.01	<0.01	0.06	0.68	0.18	<0.01	<0.01	0.41	<0.01	<0.01	0.01	42.67
17293	DRILL CORE	6.68	0.14	54.37	0.03	<0.01	<0.01	0.07	0.69	0.17	<0.01	<0.01	0.78	<0.01	<0.01	<0.01	43.73
17294	DRILL CORE	6.47	0.11	54.68	0.04	<0.01	<0.01	0.09	0.59	0.16	<0.01	<0.01	0.84	<0.01	<0.01	0.01	43.45
17295	DRILL CORE	6.62	0.19	53.82	0.03	<0.01	<0.01	0.09	1.04	0.30	<0.01	<0.01	1.70	<0.01	<0.01	0.02	42.75
17296	DRILL CORE	5.28	0.19	53.65	0.04	<0.01	<0.01	0.10	0.93	0.22	<0.01	<0.01	1.80	<0.01	<0.01	<0.01	43.04
17297	DRILL CORE	5.75	0.24	54.22	0.03	<0.01	<0.01	0.12	1.13	0.32	<0.01	<0.01	1.21	<0.01	<0.01	<0.01	41.84
17298	DRILL CORE	7.33	0.36	50.38	0.03	<0.01	<0.01	0.12	1.65	0.43	<0.01	<0.01	3.32	0.01	<0.01	0.02	43.35
17299	DRILL CORE	6.85	0.15	55.35	0.03	<0.01	<0.01	0.08	0.75	0.16	<0.01	<0.01	0.80	<0.01	<0.01	0.01	42.22
17300	DRILL CORE	6.94	0.02	55.30	0.02	<0.01	<0.01	0.04	0.09	0.04	<0.01	<0.01	0.37	0.01	<0.01	<0.01	43.24
17657	DRILL CORE	4.98	0.04	55.02	0.03	<0.01	<0.01	0.03	0.14	0.05	<0.01	<0.01	0.37	<0.01	<0.01	<0.01	43.44
17658	DRILL CORE	4.41	<0.01	55.38	0.02	<0.01	<0.01	0.04	0.09	<0.01	<0.01	<0.01	0.29	<0.01	<0.01	<0.01	43.30
17659	DRILL CORE	3.03	0.02	55.86	0.02	<0.01	<0.01	0.03	0.06	0.03	<0.01	<0.01	0.26	<0.01	<0.01	<0.01	43.30
17660	DRILL CORE	4.32	0.03	55.02	0.02	<0.01	<0.01	0.04	0.06	0.03	<0.01	<0.01	0.40	0.01	<0.01	<0.01	43.56
17661	DRILL CORE	5.41	0.07	48.92	0.03	<0.01	<0.01	0.11	1.96	0.08	<0.01	<0.01	5.29	<0.01	<0.01	<0.01	43.25
17662	DRILL CORE	5.25	0.10	49.85	0.03	<0.01	<0.01	0.11	1.46	0.14	<0.01	<0.01	4.18	<0.01	<0.01	<0.01	43.67
17663	DRILL CORE	6.77	0.18	49.77	0.03	<0.01	<0.01	0.14	0.78	0.23	<0.01	<0.01	4.87	0.01	<0.01	0.02	43.06
17664	DRILL CORE	3.65	0.09	53.97	0.03	<0.01	<0.01	0.09	0.44	0.13	<0.01	<0.01	1.99	<0.01	<0.01	0.01	43.22
17665	DRILL CORE	5.65	0.07	55.30	0.02	<0.01	<0.01	0.04	0.34	0.11	<0.01	<0.01	0.65	<0.01	<0.01	<0.01	42.60
17666	DRILL CORE	6.24	0.19	51.50	0.02	<0.01	<0.01	0.10	0.76	0.24	<0.01	<0.01	3.73	<0.01	<0.01	0.01	42.56
17667	DRILL CORE	7.14	0.34	47.97	0.03	<0.01	<0.01	0.16	1.20	0.38	<0.01	<0.01	6.30	<0.01	<0.01	0.03	43.55
17668	DRILL CORE	6.01	0.15	51.26	0.03	<0.01	<0.01	0.10	1.61	0.15	<0.01	<0.01	3.20	0.01	<0.01	0.02	42.56

CERTIFICATE OF ANALYSIS

AGT240073R

	Method	WGHT	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01
	Analyte	Wgt	* Al ₂ O ₃	* CaO	SrO	BaO	* Na ₂ O	SO ₃	* SiO ₂	Fe ₂ O ₃	MnO	Cr ₂ O ₃	MgO	P ₂ O ₅	TiO ₂	* K ₂ O	* LOI1000
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-10
Sample	Type																
17669	DRILL CORE	2.6	0.12	51.74	0.03	<0.01	<0.01	0.10	1.58	0.15	<0.01	<0.01	2.94	<0.01	<0.01	<0.01	42.47
17670	DRILL CORE	6.58	0.14	54.23	0.02	<0.01	<0.01	0.07	0.70	0.16	<0.01	<0.01	1.73	<0.01	<0.01	0.02	42.49
17671	DRILL CORE	7.96	0.09	56.00	0.02	<0.01	<0.01	0.06	0.36	0.11	<0.01	<0.01	0.40	<0.01	<0.01	0.01	42.77
17672	DRILL CORE	7.55	0.08	54.73	0.02	<0.01	<0.01	0.06	1.34	0.09	<0.01	<0.01	0.99	<0.01	<0.01	0.01	42.66
17673	DRILL CORE	6.98	0.10	55.25	0.02	<0.01	<0.01	0.04	1.32	0.10	<0.01	<0.01	0.64	<0.01	<0.01	<0.01	42.08
17674	DRILL CORE	6.56	0.05	55.57	0.02	<0.01	<0.01	0.05	0.18	0.07	<0.01	<0.01	0.45	<0.01	<0.01	<0.01	42.91
17675	DRILL CORE	5.42	0.04	55.65	0.02	<0.01	<0.01	0.06	0.15	0.08	<0.01	<0.01	0.46	<0.01	<0.01	<0.01	42.92
17676	DRILL CORE	4.27	0.04	55.67	0.02	<0.01	<0.01	0.05	0.16	0.07	<0.01	<0.01	0.39	<0.01	<0.01	<0.01	42.63
17677	PULP	0.07	0.35	35.84	<0.01	<0.01	<0.01	0.68	3.72	2.86	0.82	<0.01	13.89	0.03	<0.01	0.12	33.71
17678	PULP	0.08	0.35	36.67	<0.01	<0.01	<0.01	0.66	3.75	2.89	0.84	<0.01	13.95	0.04	<0.01	0.11	34.01

CERTIFICATE OF ANALYSIS / ANALİZ RAPORU

AGT240074R

MÜŞTERİ BİLGİLERİ / CLIENT JOB INFORMATION

Müşteri Adı / Client	: VIŞNE MAD.ÜRETİM SAN. VE TİC.A.Ş.
Kabul Tarihi / Received Date	: 22.01.2024
İş Numarası / Job Number	: AGT240074R
Numune Sayısı / Number of Sample	: 33
Proje Adı / Project	: 2550761 (Batch No: 2550761-0006)
Rapor Tarihi / Reported Date	: 26.01.2024

LABORATUVAR PROSEDÜRLERİ / LABORATORY PROCEDURES

WGHT	Received Sample Weight
PREP70-500	Dry at 80 degree, crush 1 kg 70% < 2 mm / pulverization 500 g. 85% < 75 micron
XRF WR-01	XRF Press Pellet

ADDITIONAL COMMENTS / Ek Açıklamalar

A. Buhur
Abdullah BUHUR
Laboratory Manager



Deney laboratuvarları olarak faaliyet gösteren **ARGETEST TÜRKAK** tan **AB-0742-T** ile **TS EN ISO/IEC 17025:2017** standartına göre akredite edilmiştir. **ARGETEST** accredited by **TÜRKAK** under registration number **AB-0742-T** for **TS EN ISO/IEC 17025:2017** as test laboratory.

Türk Akreditasyon Kurumu(TÜRKAK) deney raporlarının tanınması konusunda **Avrupa Akreditasyon Birliği(EA) ve Uluslararası Laboratuvar Akreditasyon Birliği(ILAC)** ile karşılıklı tanınma antlaşmasını imzalamıştır. / The Turkish Accreditation Agency(TURKAK) is signatory to the multilateral agreements of the **European co-operation for the Accreditation(EA)** and **The International Laboratory Accreditation Cooperation(ILAC)** for the mutual recognition of test reports.

Laboratuvarımız TÜRK AKREDİTASYON KURUMU tarafından akredite edilmiştir. Akreditasyon kapsamındaki analizler "*" ile belirtilmiştir. Bu rapor laboratuvar izni olmaksızın kopyalanıp çoğaltılamaz. İmzasız ve mühürsüz raporlar geçersizdir. Deney raporunda yer alan analiz sonuçları müşteri tarafından getirilen numuneye aittir ve Argetest temsil özelliğinden sorumlu değildir. Analizler kuru bazda ve 25 ± 3 °C'de yapılmıştır. / Our laboratory accredited by TURKISH ACCREDITATION AGENCY. This report shall not be reproduced other than in full except with permission of the laboratory. Testing reports without signature and seal are not valid. The analysis results included in the test report belong to the sample brought by the customer and Argetest is not responsible for its representativeness. Analyses were made at 25 ± 3 °C.

İİM: İşletme içi metod/In house method.

Şahit numunesinin arşivde saklama süresi 6 aydır ve analizlere ancak bu süre içinde itiraz edilebilir. Genişletilmiş ölçüm belirsizlikleri ve karar kuralı laboratuvarından talep edildiği durumlarda raporda belirtilir. / Retention period of witness samples in the archive are 6 months and analysis could have contested only during this time. Expanded measurement uncertainty and decision rule will be stated in the report upon client request.

CERTIFICATE OF ANALYSIS

AGT240074R

	Method	WGHT	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01
	Analyte	Wgt	* Al2O3	* CaO	SrO	BaO	* Na2O	SO3	* SiO2	Fe2O3	MnO	Cr2O3	MgO	P2O5	TiO2	* K2O	* LOI1000
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-10
Sample	Type																
17709	DRILL CORE	2.87	0.17	55.37	0.03	<0.01	<0.01	0.07	1.17	0.26	<0.01	<0.01	1.04	<0.01	<0.01	0.02	41.83
17710	DRILL CORE	4.59	0.14	54.80	0.03	<0.01	<0.01	0.03	1.08	0.18	<0.01	<0.01	0.53	<0.01	<0.01	0.01	42.90
17711	DRILL CORE	4.14	0.41	52.68	0.03	<0.01	<0.01	0.09	2.81	0.50	<0.01	<0.01	1.91	<0.01	<0.01	0.02	41.39
17712	DRILL CORE	5.09	0.24	55.94	0.04	<0.01	<0.01	0.09	1.38	0.29	<0.01	<0.01	0.67	<0.01	<0.01	<0.01	41.30
17713	DRILL CORE	4.95	0.47	48.04	0.03	<0.01	<0.01	0.14	3.16	0.70	<0.01	<0.01	4.19	<0.01	<0.01	0.02	42.52
17714	DRILL CORE	3.68	0.40	51.70	0.04	<0.01	<0.01	0.09	2.48	0.49	<0.01	<0.01	2.05	<0.01	<0.01	0.02	42.55
17715	DRILL CORE	3.27	0.39	51.43	0.04	<0.01	<0.01	0.10	2.35	0.48	<0.01	<0.01	2.25	<0.01	<0.01	0.02	42.88
17716	DRILL CORE	2.79	0.06	55.67	0.03	<0.01	<0.01	0.04	0.24	0.07	<0.01	<0.01	0.46	<0.01	<0.01	<0.01	43.25
17717	DRILL CORE	5.14	0.08	55.96	0.03	<0.01	<0.01	0.05	0.52	0.14	<0.01	<0.01	0.50	<0.01	<0.01	<0.01	42.56
17718	DRILL CORE	5.16	0.10	54.65	0.03	<0.01	<0.01	0.06	0.47	0.13	<0.01	<0.01	0.51	<0.01	<0.01	<0.01	43.29
17719	DRILL CORE	4.31	0.12	54.93	0.04	<0.01	<0.01	0.06	0.70	0.20	<0.01	<0.01	0.65	<0.01	<0.01	0.01	42.40
17720	DRILL CORE	5.56	0.10	55.77	0.04	<0.01	<0.01	0.07	0.56	0.15	<0.01	<0.01	0.44	<0.01	<0.01	<0.01	42.74
17721	DRILL CORE	4.2	0.15	55.77	0.03	<0.01	<0.01	0.08	0.70	0.15	<0.01	<0.01	0.56	<0.01	<0.01	<0.01	41.60
17722	DRILL CORE	4.53	0.14	54.88	0.03	<0.01	<0.01	0.08	0.73	0.16	<0.01	<0.01	0.50	<0.01	<0.01	<0.01	43.30
17723	DRILL CORE	3.21	0.22	53.76	0.03	<0.01	<0.01	0.11	1.07	0.27	<0.01	<0.01	1.22	<0.01	<0.01	0.01	42.43
17724	DRILL CORE	6.6	0.24	52.52	0.03	<0.01	<0.01	0.12	1.16	0.27	<0.01	<0.01	2.18	<0.01	<0.01	0.02	43.07
17725	DRILL CORE	6.73	0.19	54.63	0.03	<0.01	<0.01	0.12	0.92	0.21	<0.01	<0.01	1.97	<0.01	<0.01	0.02	41.52
17726	DRILL CORE	6.07	0.30	52.95	0.04	<0.01	<0.01	0.16	1.45	0.39	<0.01	<0.01	1.78	<0.01	<0.01	0.02	42.74
17727	DRILL CORE	6.03	0.25	51.02	0.03	<0.01	<0.01	0.15	1.33	0.31	<0.01	<0.01	2.52	<0.01	<0.01	0.02	43.49
17728	DRILL CORE	4.4	0.16	55.59	0.03	<0.01	<0.01	0.09	0.71	0.15	<0.01	<0.01	1.49	<0.01	<0.01	0.01	41.70
17729	DRILL CORE	5.69	<0.01	54.86	0.02	<0.01	<0.01	0.03	0.13	0.06	<0.01	<0.01	0.38	<0.01	<0.01	<0.01	43.86
17730	DRILL CORE	5.23	0.05	55.74	0.03	<0.01	<0.01	0.04	0.17	0.06	<0.01	<0.01	0.31	<0.01	<0.01	<0.01	43.31
17731	DRILL CORE	4.91	0.04	55.01	0.02	<0.01	<0.01	0.03	0.16	0.06	<0.01	<0.01	0.34	<0.01	<0.01	<0.01	43.41
17732	DRILL CORE	5.47	0.04	55.00	0.02	<0.01	<0.01	0.02	0.12	0.05	<0.01	<0.01	0.58	<0.01	<0.01	<0.01	43.94
17733	DRILL CORE	6.31	0.01	55.96	0.02	<0.01	<0.01	0.03	0.06	0.03	<0.01	<0.01	0.34	<0.01	<0.01	<0.01	42.66
17734	DRILL CORE	6.2	<0.01	55.85	0.02	<0.01	<0.01	0.04	0.10	0.03	<0.01	<0.01	0.63	<0.01	<0.01	<0.01	43.31
17735	DRILL CORE	7.7	0.05	54.72	0.03	<0.01	<0.01	0.08	0.22	0.08	<0.01	<0.01	2.42	<0.01	<0.01	<0.01	42.02
17736	DRILL CORE	4.23	0.13	50.07	0.03	<0.01	<0.01	0.12	0.54	0.18	<0.01	<0.01	4.64	<0.01	<0.01	0.02	43.72
17737	DRILL CORE	5.69	0.08	53.90	0.03	<0.01	<0.01	0.10	0.39	0.14	<0.01	<0.01	2.58	<0.01	<0.01	0.01	42.68
17738	DRILL CORE	6.22	0.21	50.65	0.03	<0.01	<0.01	0.13	0.87	0.25	<0.01	<0.01	4.53	<0.01	<0.01	0.02	43.26
17739	DRILL CORE	7.51	0.11	53.62	0.03	<0.01	<0.01	0.08	0.55	0.16	<0.01	<0.01	2.55	<0.01	<0.01	0.01	42.74
17740	DRILL CORE	6.06	0.10	54.44	0.03	<0.01	<0.01	0.07	0.53	0.14	<0.01	<0.01	2.16	<0.01	<0.01	<0.01	41.61
17741	PULP	0.08	0.44	35.68	<0.01	<0.01	<0.01	0.78	3.59	2.87	0.91	<0.01	13.68	0.04	0.01	0.10	34.00

CERTIFICATE OF ANALYSIS / ANALİZ RAPORU

AGT240075

MÜŞTERİ BİLGİLERİ / CLIENT JOB INFORMATION

Müşteri Adı / Client	: VIŞNE MAD.ÜRETİM SAN. VE TİC.A.Ş.
Kabul Tarihi / Received Date	: 04.01.2024
İş Numarası / Job Number	: AGT240075
Numune Sayısı / Number of Sample	: 6
Proje Adı / Project	: 3137103 (Batch No: 3137103-0025)
Rapor Tarihi / Reported Date	: 10.01.2024

LABORATUVAR PROSEDÜRLERİ / LABORATORY PROCEDURES

WGHT	Received Sample Weight
PREP70-500	Dry at 80 degree, crush 1 kg 70% < 2 mm / pulverization 500 g. 85% < 75 micron
XRF WR-01	XRF Press Pellet

ADDITIONAL COMMENTS / Ek Açıklamalar

A. Buhur
Abdullah BUHUR
Laboratory Manager



Türk Akreditasyon Kurumu(TÜRKAK) deney raporlarının tanınması konusunda **Avrupa Akreditasyon Birliği(EA) ve Uluslararası Laboratuvar Akreditasyon Birliği(ILAC)** ile karşılıklı tanınma antlaşmasını imzalamıştır. / The Turkish Accreditation Agency(TURKAK) is signatory to the multilateral agreements of the **European co-operation for the Accreditation(EA)** and **The International Laboratory Accreditation Cooperation(ILAC)** for the mutual recognition of test reports. Laboratuvarımız TÜRK AKKREDİTASYON KURUMU tarafından akredite edilmiştir. Akreditasyon kapsamındaki analizler “*” ile belirtilmiştir. Bu rapor laboratuvar izni olmaksızın kopyalanıp çoğaltılamaz. İmzasız ve mühürlü raporlar geçersizdir. Sonuçlar sadece analizi yapılan numuneye aittir. Analizler kuru bazda ve 25 ± 3 °C’de yapılmıştır. / Our laboratory accredited by TURKISH ACCREDITATION AGENCY.This report shall not be reproduced other than in full except with permission of the laboratory. Testin reports without signature and seal are not valid. Results are only belong to the analyzed sample. Analyses were made at 25 ± 3 °C. Şahit numunesinin arşivde saklama süresi 6 aydır ve analizlere ancak bu süre içinde itiraz edilebilir. Genişletilmiş ölçüm belirsizlikleri ve karar kuralı laboratuvarından talep edildiği durumlarda raporda belirtilir. / Retention period of witness samples in the archive are 6 months and analysis could have contested only during this time. Expanded measurement uncertainty and decision rule will be stated in the report upon client request. Deney ve/veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve deney metodları bu sertifikanın tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir. / The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.

CERTIFICATE OF ANALYSIS

AGT240075

	Method	WGHT	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01
	Analyte	Wgt	* Al2O3	* CaO	SrO	BaO	* Na2O	SO3	* SiO2	Fe2O3	MnO	Cr2O3	MgO	P2O5	TiO2	* K2O	* LOI1000
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-10
Sample	Type																
17651	DRILL CORE	2.19	0.02	55.58	0.02	<0.01	<0.01	0.05	0.08	<0.01	<0.01	<0.01	0.32	<0.01	<0.01	<0.01	43.93
17652	DRILL CORE	2.19	0.02	55.66	0.02	<0.01	<0.01	0.03	0.05	<0.01	<0.01	<0.01	0.27	<0.01	<0.01	<0.01	43.94
17653	DRILL CORE	2.31	0.02	55.63	0.02	<0.01	<0.01	0.03	0.06	<0.01	<0.01	<0.01	0.24	<0.01	<0.01	<0.01	43.99
17654	DRILL CORE	2.58	0.02	55.97	0.02	<0.01	<0.01	0.03	0.05	0.02	<0.01	<0.01	0.29	<0.01	<0.01	<0.01	43.60
17655	DRILL CORE	1.8	0.03	56.02	0.02	<0.01	<0.01	0.04	0.06	<0.01	<0.01	<0.01	0.28	<0.01	<0.01	<0.01	43.54
17656	DRILL CORE	2.3	0.02	56.03	0.02	<0.01	<0.01	0.02	0.05	<0.01	<0.01	<0.01	0.25	<0.01	<0.01	<0.01	43.60

CERTIFICATE OF ANALYSIS / ANALİZ RAPORU

AGT240316

MÜŞTERİ BİLGİLERİ / CLIENT JOB INFORMATION

Müşteri Adı / Client	: VİŞNE MAD.ÜRETİM SAN. VE TİC.A.Ş.
Kabul Tarihi / Received Date	: 17.01.2024
İş Numarası / Job Number	: AGT240316
Numune Sayısı / Number of Sample	: 33
Proje Adı / Project	: 2550761 (BATCH NO: 2550761-0009)
Rapor Tarihi / Reported Date	: 24.01.2024

LABORATUVAR PROSEDÜRLERİ / LABORATORY PROCEDURES

WGHT	Received Sample Weight
XRF WR-01	XRF Press Pellet
WM LOI1000	Wet Method / Grav. Finish
PREP70-500	Dry at 80 degree, crush 1 kg 70% < 2 mm / pulverization 500 g. 85% < 75 micron

ADDITIONAL COMMENTS / Ek Açıklamalar

Deney laboratuvarları olarak faaliyet gösteren **ARGETEST TÜRKAK** tan **AB-0742-T** ile **TS EN ISO / IEC 17025:2017** standartına göre akredite edilmiştir. **ARGETEST** accredited by **TÜRKAK** under registration number **AB-0742-T** for **TS EN ISO / IEC 17025:2017** as test laboratory.

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İİM: İşletme içi metod/In house method.

Şahit numunesinin arşivde saklama süresi 6 aydır ve analizlere ancak bu süre içinde itiraz edilebilir. Genişletilmiş ölçüm belirsizlikleri ve karar kuralı laboratuvarдан talep edildiği durumlarda raporda belirtilir. / Retention period of witness samples in the archive are 6 months and analysis could have contested only during this time. Expanded measurement uncertainty and decision rule will be stated in the report upon client request.

A. Buhur
Abdullah BUHUR
Laboratory Manager



CERTIFICATE OF ANALYSIS

AGT240316

	Method	WGHT	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	WM LOI1000
	Analyte	Wgt	* Al2O3	* CaO	SrO	BaO	* Na2O	SO3	* SiO2	Fe2O3	MnO	Cr2O3	MgO	P2O5	TiO2	* K2O	* LOI1000
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-10
Sample	Type																
17951	DRILL CORE	3.36	0.18	54.44	0.08	<0.01	<0.01	0.03	1.79	0.16	<0.01	<0.01	0.90	<0.01	<0.01	0.01	42.36
17952	DRILL CORE	4.79	0.37	53.91	0.07	<0.01	<0.01	0.02	2.56	0.33	<0.01	<0.01	0.83	<0.01	0.02	0.02	41.81
17953	DRILL CORE	4.54	0.34	52.69	0.07	<0.01	<0.01	0.05	2.29	0.30	<0.01	<0.01	1.72	<0.01	0.01	0.02	42.46
17954	DRILL CORE	4.52	0.20	53.76	0.08	<0.01	<0.01	0.04	1.69	0.22	<0.01	<0.01	1.54	<0.01	<0.01	0.02	42.41
17955	DRILL CORE	3.01	0.32	45.19	0.03	<0.01	<0.01	0.13	1.48	0.27	<0.01	<0.01	4.88	<0.01	<0.01	0.02	47.67
17956	ROCK PULP	0.05	0.83	48.26	<0.01	<0.01	<0.01	0.03	10.24	0.80	0.04	0.38	0.54	<0.01	<0.01	0.03	38.64
17957	DRILL CORE	4.54	0.45	44.05	0.09	<0.01	<0.01	0.15	4.32	0.43	<0.01	0.03	7.88	<0.01	0.02	0.03	42.47
17958	DRILL CORE	6.93	0.29	52.04	0.09	<0.01	<0.01	0.07	1.81	0.24	<0.01	<0.01	2.03	<0.01	0.01	0.02	43.33
17959	DRILL CORE	5.83	0.22	53.87	0.09	<0.01	<0.01	0.06	1.70	0.18	<0.01	<0.01	0.99	<0.01	<0.01	0.01	42.82
17960	DRILL CORE	6.5	0.89	43.08	0.08	<0.01	<0.01	0.14	5.49	0.82	<0.01	0.02	6.97	<0.01	0.03	0.04	42.36
17961	DRILL CORE	6.63	0.27	54.00	0.10	<0.01	<0.01	0.04	1.43	0.17	<0.01	<0.01	0.69	<0.01	<0.01	0.02	43.24
17962	DRILL CORE	6.2	0.07	55.55	0.09	<0.01	<0.01	0.04	0.38	0.07	<0.01	<0.01	0.49	<0.01	<0.01	<0.01	43.28
17963	DRILL CORE	5.64	0.11	55.87	0.09	<0.01	<0.01	0.03	0.43	0.07	<0.01	<0.01	0.50	<0.01	<0.01	<0.01	42.86
17964	DRILL CORE	6.4	0.10	55.84	0.11	<0.01	<0.01	0.05	0.46	0.09	<0.01	<0.01	0.50	<0.01	<0.01	0.01	42.81
17965	DRILL CORE	6.62	0.15	55.02	0.10	<0.01	<0.01	0.04	0.85	0.14	<0.01	<0.01	0.79	<0.01	<0.01	0.01	42.84
17966	DRILL CORE	6.69	0.18	54.38	0.09	<0.01	<0.01	0.04	1.53	0.14	<0.01	<0.01	0.77	<0.01	<0.01	0.01	42.81
17967	DRILL CORE	6.01	0.13	54.73	0.09	<0.01	<0.01	0.06	0.68	0.10	<0.01	<0.01	0.85	<0.01	<0.01	0.01	43.30
17968	DRILL CORE	6.41	0.28	52.75	0.09	<0.01	<0.01	0.08	1.34	0.23	<0.01	<0.01	1.79	<0.01	<0.01	0.02	43.39
17969	DRILL CORE	6.66	0.16	52.74	0.08	<0.01	<0.01	0.07	0.91	0.15	<0.01	<0.01	2.02	<0.01	0.01	0.01	43.80
17970	DRILL CORE	6.79	0.27	53.21	0.08	<0.01	<0.01	0.07	1.51	0.24	<0.01	<0.01	1.22	<0.01	<0.01	0.02	43.33
17971	DRILL CORE	6.87	0.23	52.26	0.09	<0.01	<0.01	0.08	1.17	0.17	<0.01	<0.01	2.15	<0.01	<0.01	0.01	43.38
17972	DRILL CORE	2.36	0.14	53.80	0.07	<0.01	<0.01	0.05	0.82	0.09	<0.01	<0.01	1.59	<0.01	<0.01	0.01	43.39
17973	DRILL CORE	2.27	0.18	53.76	0.07	<0.01	<0.01	0.06	0.75	0.12	<0.01	<0.01	1.47	<0.01	<0.01	0.01	43.53
17974	DRILL CORE	3.78	<0.01	55.86	0.08	<0.01	<0.01	0.04	0.18	0.04	<0.01	<0.01	0.62	<0.01	<0.01	<0.01	42.87
17975	DRILL CORE	4.09	0.05	55.93	0.08	<0.01	<0.01	0.03	0.23	0.05	<0.01	<0.01	0.60	<0.01	<0.01	<0.01	42.85
17976	DRILL CORE	2.76	0.07	56.00	0.06	<0.01	<0.01	0.02	0.16	0.02	<0.01	<0.01	0.45	<0.01	<0.01	<0.01	43.17
17977	DRILL CORE	1.9	<0.01	55.75	0.06	<0.01	<0.01	0.02	0.17	0.03	<0.01	<0.01	0.37	<0.01	<0.01	<0.01	43.56
17978	DRILL CORE	2.95	0.06	55.76	0.06	<0.01	<0.01	0.03	0.40	0.08	<0.01	<0.01	0.48	<0.01	<0.01	<0.01	43.09
17979	DRILL CORE	4.87	0.21	52.61	0.05	<0.01	<0.01	0.05	1.10	0.20	<0.01	<0.01	2.48	<0.01	0.01	0.02	43.19
17980	DRILL CORE	5.32	0.28	48.67	0.07	<0.01	<0.01	0.09	1.33	0.22	<0.01	<0.01	5.13	<0.01	0.02	0.02	44.13
17981	DRILL CORE	6.15	0.14	51.22	0.06	<0.01	<0.01	0.07	0.83	0.13	<0.01	<0.01	3.13	<0.01	<0.01	<0.01	44.36
17982	DRILL CORE	4.71	0.26	53.36	0.06	<0.01	<0.01	0.05	0.92	0.10	<0.01	<0.01	1.57	<0.01	<0.01	0.03	43.60
17983	ROCK PULP	0.06	0.33	36.39	<0.01	<0.01	<0.01	0.75	3.90	2.39	0.74	<0.01	14.82	0.02	<0.01	0.10	34.00

QUALITY CONTROL REPORT

AGT240316

	Method	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	WM LOI1000
	Analyte	Al2O3	CaO	SrO	BaO	Na2O	SO3	SiO2	Fe2O3	MnO	Cr2O3	MgO	P2O5	TiO2	K2O	LOI1000
	Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-10
Sample	Type															
17969	DRILL CORE	0.16	52.74	0.08	<0.01	<0.01	0.07	0.91	0.15	<0.01	<0.01	2.02	<0.01	0.01	0.01	43.80
17969-DUP	DUPLICATE	0.18	52.96	0.08	<0.01	<0.01	0.07	0.84	0.15	<0.01	<0.01	1.93	<0.01	<0.01	0.02	43.72

CERTIFICATE OF ANALYSIS / ANALİZ RAPORU

AGT240317

MÜŞTERİ BİLGİLERİ / CLIENT JOB INFORMATION

Müşteri Adı / Client	: VİŞNE MAD.ÜRETİM SAN. VE TİC.A.Ş.
Kabul Tarihi / Received Date	: 17.01.2024
İş Numarası / Job Number	: AGT240317
Numune Sayısı / Number of Sample	: 44
Proje Adı / Project	: 2550761 (BATCH NO: 2550761-0010)
Rapor Tarihi / Reported Date	: 25.01.2024

LABORATUVAR PROSEDÜRLERİ / LABORATORY PROCEDURES

WGHT	Received Sample Weight
XRF WR-01	XRF Press Pellet
WM LOI1000	Wet Method / Grav. Finish
PREP70-500	Dry at 80 degree, crush 1 kg 70% < 2 mm / pulverization 500 g. 85% < 75 micron

ADDITIONAL COMMENTS / Ek Açıklamalar

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İİM: İşletme içi metod/In house method.

Şahit numunesinin arşivde saklama süresi 6 aydır ve analizlere ancak bu süre içinde itiraz edilebilir. Genişletilmiş ölçüm belirsizlikleri ve karar kuralı laboratuvarдан talep edildiği durumlarda raporda belirtilir. / Retention period of witness samples in the archive are 6 months and analysis could have contested only during this time. Expanded measurement uncertainty and decision rule will be stated in the report upon client request.

A. Buhur
Abdullah BUHUR
Laboratory Manager



CERTIFICATE OF ANALYSIS

AGT240317

Method	WGHT	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	WM LOI1000
Analyte	Wgt	* Al2O3	* CaO	SrO	BaO	* Na2O	SO3	* SiO2	Fe2O3	MnO	Cr2O3	MgO	P2O5	TiO2	* K2O	* LOI1000	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL	0.1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-10
Sample	Type																
18051	DRILL CORE	0.99	1.23	40.20	0.20	0.02	<0.01	0.02	12.70	1.87	0.04	0.07	9.21	<0.01	0.04	0.01	34.29
18052	DRILL CORE	2.67	0.85	50.97	0.19	<0.01	<0.01	0.01	5.05	0.87	<0.01	0.03	2.34	<0.01	0.03	<0.01	39.57
18053	DRILL CORE	3.06	0.79	50.46	0.16	<0.01	<0.01	0.02	5.88	1.07	0.02	0.03	2.22	<0.01	0.03	<0.01	39.22
18054	DRILL CORE	3.47	1.40	44.08	0.11	<0.01	<0.01	0.03	10.56	1.72	0.02	0.10	4.75	<0.01	0.05	<0.01	37.07
18055	DRILL CORE	4.23	0.20	55.78	0.09	<0.01	<0.01	0.03	1.06	0.21	0.01	<0.01	0.44	<0.01	0.01	<0.01	42.12
18056	DRILL CORE	4.54	0.18	55.58	0.06	<0.01	<0.01	0.02	0.90	0.17	<0.01	<0.01	0.34	<0.01	<0.01	<0.01	42.69
18057	DRILL CORE	5.22	0.23	55.75	0.09	<0.01	<0.01	0.03	1.21	0.24	<0.01	<0.01	2.14	<0.01	<0.01	<0.01	40.26
18058	DRILL CORE	4.56	0.15	55.56	0.11	<0.01	<0.01	0.02	0.71	0.14	<0.01	<0.01	2.57	<0.01	0.02	<0.01	40.69
18059	DRILL CORE	5.38	0.37	52.78	0.13	<0.01	<0.01	0.10	2.47	0.44	<0.01	0.02	3.40	<0.01	0.02	<0.01	40.23
18060	DRILL CORE	6.34	0.31	55.59	0.12	<0.01	<0.01	0.08	1.48	0.28	<0.01	<0.01	1.41	<0.01	<0.01	0.02	40.63
18061	DRILL CORE	2.93	0.31	55.98	0.10	<0.01	<0.01	0.03	1.38	0.26	<0.01	<0.01	0.84	<0.01	<0.01	0.01	41.03
18062	DRILL CORE	2.87	0.22	55.86	0.10	<0.01	<0.01	0.05	1.32	0.23	<0.01	<0.01	0.92	<0.01	0.01	<0.01	41.23
18063	DRILL CORE	5.57	0.21	55.77	0.12	<0.01	<0.01	0.03	1.13	0.25	<0.01	<0.01	1.03	<0.01	0.01	<0.01	41.36
18064	DRILL CORE	6.81	0.64	48.45	0.12	<0.01	<0.01	0.04	4.09	0.76	0.01	0.02	4.92	<0.01	0.04	0.01	40.82
18065	DRILL CORE	5.4	0.32	55.56	0.10	<0.01	<0.01	0.02	1.62	0.34	<0.01	0.01	0.84	<0.01	<0.01	<0.01	41.13
18066	DRILL CORE	5.52	0.17	55.61	0.10	<0.01	<0.01	0.01	0.68	0.16	<0.01	<0.01	0.53	<0.01	<0.01	<0.01	42.69
18067	DRILL CORE	4.98	0.09	55.87	0.11	<0.01	<0.01	0.02	0.36	0.07	<0.01	<0.01	0.48	<0.01	<0.01	<0.01	42.98
18068	DRILL CORE	4.38	0.09	55.84	0.12	<0.01	<0.01	0.02	0.33	0.07	<0.01	<0.01	0.44	<0.01	<0.01	<0.01	43.05
18069	DRILL CORE	6.19	0.14	55.68	0.13	<0.01	<0.01	0.01	0.50	0.11	<0.01	<0.01	0.49	0.03	<0.01	<0.01	42.87
18070	DRILL CORE	6.14	0.10	55.56	0.14	<0.01	<0.01	0.01	0.48	0.10	<0.01	<0.01	0.44	<0.01	<0.01	<0.01	43.12
18071	DRILL CORE	5.3	0.13	55.67	0.09	<0.01	<0.01	0.01	0.47	0.09	<0.01	<0.01	0.30	<0.01	<0.01	<0.01	43.18
18072	DRILL CORE	6.15	0.17	55.50	0.06	<0.01	<0.01	0.01	0.53	0.13	<0.01	<0.01	0.78	<0.01	<0.01	<0.01	42.78
18073	DRILL CORE	5.93	0.14	55.61	0.07	<0.01	<0.01	0.02	0.52	0.10	<0.01	<0.01	0.38	<0.01	<0.01	<0.01	43.12
18074	DRILL CORE	7.04	0.17	55.76	0.07	<0.01	<0.01	0.03	0.89	0.20	<0.01	<0.01	0.73	<0.01	<0.01	<0.01	42.10
18075	DRILL CORE	5.79	0.14	55.58	0.08	<0.01	<0.01	0.05	0.65	0.13	<0.01	<0.01	2.05	<0.01	<0.01	<0.01	41.26
18076	DRILL CORE	6.58	0.21	55.87	0.07	<0.01	<0.01	0.05	0.85	0.19	<0.01	<0.01	0.74	<0.01	<0.01	<0.01	41.98
18077	DRILL CORE	6.53	0.20	55.69	0.08	<0.01	<0.01	0.05	0.69	0.19	<0.01	<0.01	1.27	<0.01	<0.01	<0.01	41.78
18078	DRILL CORE	2.42	0.05	55.81	0.07	<0.01	<0.01	0.03	0.40	0.05	<0.01	<0.01	0.44	<0.01	<0.01	<0.01	43.15
18079	DRILL CORE	2.4	0.05	55.54	0.07	<0.01	<0.01	0.03	0.80	0.05	<0.01	<0.01	0.53	<0.01	<0.01	<0.01	42.89
18080	DRILL CORE	5.88	0.09	55.71	0.09	<0.01	<0.01	0.04	0.25	0.04	<0.01	<0.01	0.50	<0.01	<0.01	<0.01	43.25
18081	DRILL CORE	4.19	0.04	55.97	0.07	<0.01	<0.01	0.03	0.13	0.02	<0.01	<0.01	0.41	<0.01	<0.01	<0.01	43.29
18082	DRILL CORE	5.45	0.08	54.35	0.07	<0.01	<0.01	0.02	4.90	0.09	<0.01	<0.01	0.45	<0.01	<0.01	<0.01	39.98
18083	DRILL CORE	4.22	0.03	55.92	0.05	<0.01	<0.01	0.02	0.20	0.03	<0.01	<0.01	0.34	<0.01	<0.01	0.01	43.36
18084	DRILL CORE	4.59	<0.01	55.52	0.07	<0.01	<0.01	0.02	0.28	0.02	<0.01	<0.01	0.35	<0.01	<0.01	<0.01	43.69

CERTIFICATE OF ANALYSIS

AGT240317

	Method	WGHT	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	WM LOI1000
	Analyte	Wgt	* Al2O3	* CaO	SrO	BaO	* Na2O	SO3	* SiO2	Fe2O3	MnO	Cr2O3	MgO	P2O5	TiO2	* K2O	* LOI1000
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-10
Sample	Type																
18085	DRILL CORE	6.49	0.04	55.54	0.06	<0.01	<0.01	0.04	1.00	0.07	<0.01	<0.01	1.55	<0.01	<0.01	<0.01	41.65
18086	DRILL CORE	5.73	0.17	55.52	0.07	<0.01	<0.01	0.07	0.78	0.09	<0.01	<0.01	3.28	<0.01	<0.01	0.02	39.96
18087	DRILL CORE	5.45	0.15	51.17	0.07	<0.01	<0.01	0.06	1.08	0.15	<0.01	<0.01	3.87	<0.01	<0.01	<0.01	43.40
18088	DRILL CORE	5.3	0.25	54.25	0.07	<0.01	<0.01	0.08	0.83	0.18	<0.01	<0.01	3.73	<0.01	<0.01	0.02	40.53
18089	DRILL CORE	7	0.10	55.94	0.07	<0.01	<0.01	0.05	0.51	0.10	<0.01	<0.01	2.05	<0.01	<0.01	<0.01	41.13
18090	DRILL CORE	4.99	0.16	54.13	0.07	<0.01	<0.01	0.08	0.78	0.17	<0.01	<0.01	4.57	<0.01	<0.01	0.01	39.96
18091	DRILL CORE	6.45	0.26	47.64	0.06	<0.01	<0.01	0.08	0.95	0.21	<0.01	<0.01	6.25	<0.01	<0.01	<0.01	44.49
18092	DRILL CORE	5.64	0.13	55.45	0.08	<0.01	<0.01	0.07	0.52	0.15	<0.01	<0.01	3.38	<0.01	<0.01	0.01	40.16
18093	ROCK PULP	0.05	0.20	36.58	<0.01	<0.01	<0.01	0.46	4.06	1.40	0.41	<0.01	14.89	0.01	<0.01	0.06	32.95
18094	ROCK PULP	0.06	0.39	49.17	<0.01	<0.01	<0.01	0.02	10.43	0.40	0.03	0.21	0.42	<0.01	<0.01	0.02	38.89

CERTIFICATE OF ANALYSIS / ANALİZ RAPORU

AGT240350R

MÜŞTERİ BİLGİLERİ / CLIENT JOB INFORMATION

Müşteri Adı / Client	: VİŞNE MAD.ÜRETİM SAN. VE TİC.A.Ş.
Kabul Tarihi / Received Date	: 29.01.2024
İş Numarası / Job Number	: AGT240350R
Numune Sayısı / Number of Sample	: 16
Proje Adı / Project	: 2550761 (BATCH NO:2550761-0007)
Rapor Tarihi / Reported Date	: 30.01.2024

LABORATUVAR PROSEDÜRLERİ / LABORATORY PROCEDURES

WGHT	Received Sample Weight
XRF WR-01	XRF Press Pellet
WM LOI1000	Wet Method / Grav. Finish
PREP70-500	Dry at 80 degree, crush 1 kg 70% < 2 mm / pulverization 500 g. 85% < 75 micron

ADDITIONAL COMMENTS / Ek Açıklamalar

A. Buhur
Abdullah BUHUR
Laboratory Manager



Deney laboratuvarları olarak faaliyet gösteren **ARGETEST TÜRKAK** tan **AB-0742-T** ile **TS EN ISO/IEC 17025:2017** standartına göre akredite edilmiştir. **ARGETEST** accredited by **TÜRKAK** under registration number **AB-0742-T** for **TS EN ISO/IEC 17025:2017** as test laboratory.

Türk Akreditasyon Kurumu(TÜRKAK) deney raporlarının tanınması konusunda **Avrupa Akreditasyon Birliği(EA) ve Uluslararası Laboratuvar Akreditasyon Birliği(ILAC)** ile karşılıklı tanınma antlaşmasını imzalamıştır. / The Turkish Accreditation Agency(TURKAK) is signatory to the multilateral agreements of the **European co-operation for the Accreditation(EA)** and **The International Laboratory Accreditation Cooperation(ILAC)** for the mutual recognition of test reports.

Laboratuvarımız TÜRK AKREDİTASYON KURUMU tarafından akredite edilmiştir. Akreditasyon kapsamındaki analizler "*" ile belirtilmiştir. Bu rapor laboratuvar izni olmaksızın kopyalanıp çoğaltılamaz. İmzasız ve mühürsüz raporlar geçersizdir. Deney raporunda yer alan analiz sonuçları müşteri tarafından getirilen numuneye aittir ve Argetest temsil özelliğinden sorumlu değildir. Analizler kuru bazda ve 25 ± 3 °C'de yapılmıştır. / Our laboratory accredited by TURKISH ACCREDITATION AGENCY. This report shall not be reproduced other than in full except with permission of the laboratory. Testing reports without signature and seal are not valid. The analysis results included in the test report belong to the sample brought by the customer and Argetest is not responsible for its representativeness. Analyses were made at 25 ± 3 °C.

İİM: İşletme içi metod/In house method.

Şahit numunesinin arşivde saklama süresi 6 aydır ve analizlere ancak bu süre içinde itiraz edilebilir. Genişletilmiş ölçüm belirsizlikleri ve karar kuralı laboratuvarından talep edildiği durumlarda raporda belirtilir. / Retention period of witness samples in the archive are 6 months and analysis could have contested only during this time. Expanded measurement uncertainty and decision rule will be stated in the report upon client request.

CERTIFICATE OF ANALYSIS

AGT240350R

	Method	WGHT	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	WM LOI1000
	Analyte	Wgt	* Al2O3	* CaO	SrO	BaO	* Na2O	SO3	* SiO2	Fe2O3	MnO	Cr2O3	MgO	P2O5	TiO2	* K2O	* LOI1000
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-10
Sample	Type																
17829	DRILL CORE	5.56	0.12	55.83	0.04	0.01	0.01	0.05	0.44	0.12	0.01	0.01	0.67	0.01	0.01	0.01	42.16
17830	DRILL CORE	1.86	0.06	55.57	0.02	<0.01	<0.01	0.04	0.15	0.03	<0.01	<0.01	0.38	<0.01	<0.01	<0.01	43.41
17831	DRILL CORE	1.9	0.04	55.00	0.04	0.01	0.01	0.07	0.13	0.03	0.01	0.01	0.58	0.01	0.01	0.01	43.15
17832	DRILL CORE	3.21	0.06	55.81	0.04	0.01	0.01	0.02	0.17	0.06	0.01	0.01	0.69	0.01	0.01	0.01	43.04
17833	DRILL CORE	3.87	0.09	55.12	0.03	0.01	0.01	0.05	0.39	0.20	0.01	0.01	0.41	0.01	0.01	0.01	43.23
17834	DRILL CORE	6.55	0.19	55.09	0.02	0.01	0.01	0.08	0.73	0.35	0.01	0.01	2.98	0.01	0.01	0.01	40.27
17835	DRILL CORE	4.92	0.34	55.02	0.03	0.01	0.01	0.11	1.01	0.31	0.01	0.01	3.11	0.01	0.01	0.02	39.73
17836	DRILL CORE	7.66	0.14	55.25	0.02	0.01	0.01	0.05	0.60	0.15	0.01	0.01	0.53	0.01	0.01	0.01	42.81
17837	DRILL CORE	6.51	0.14	55.25	0.03	0.01	0.01	0.07	0.45	0.13	0.01	0.01	0.37	0.01	0.01	0.03	43.10
17838	DRILL CORE	9.32	0.07	55.33	0.02	0.01	0.01	0.05	0.23	0.06	0.01	0.01	0.37	0.01	0.01	0.01	43.07
17839	DRILL CORE	8.14	0.20	56.00	0.03	0.01	0.01	0.03	0.77	0.14	0.01	0.01	0.49	0.01	0.01	0.02	42.01
17840	DRILL CORE	8.37	0.09	55.13	0.02	0.01	0.01	0.05	0.41	0.08	0.01	0.01	0.43	0.01	0.01	0.01	43.40
17841	DRILL CORE	6.3	0.05	55.47	0.02	0.01	0.01	0.04	0.18	0.06	0.01	0.01	0.32	0.01	0.01	0.01	43.21
17842	DRILL CORE	4.94	0.05	55.31	0.02	0.01	0.01	0.05	0.19	0.06	0.01	0.01	0.35	0.01	0.01	0.01	43.35
17843	DRILL CORE	4.27	0.05	55.22	0.02	0.01	0.01	0.05	0.16	0.04	0.01	0.01	0.37	0.01	0.01	0.01	43.47
17844	ROCK PULP	0.05	0.41	36.23	0.01	0.01	0.01	0.74	3.79	2.97	0.79	0.01	14.13	0.03	0.01	0.11	33.63

CERTIFICATE OF ANALYSIS / ANALİZ RAPORU

AGT240351

MÜŞTERİ BİLGİLERİ / CLIENT JOB INFORMATION

Müşteri Adı / Client	: VİŞNE MAD.ÜRETİM SAN. VE TİC.A.Ş.
Kabul Tarihi / Received Date	: 18.01.2024
İş Numarası / Job Number	: AGT240351
Numune Sayısı / Number of Sample	: 33
Proje Adı / Project	: 2550761 (BATCH NO: 2550761-0008)
Rapor Tarihi / Reported Date	: 25.01.2024

LABORATUVAR PROSEDÜRLERİ / LABORATORY PROCEDURES

WGHT	Received Sample Weight
XRF WR-01	XRF Press Pellet
WM LOI1000	Wet Method / Grav. Finish
PREP70-500	Dry at 80 degree, crush 1 kg 70% < 2 mm / pulverization 500 g. 85% < 75 micron

ADDITIONAL COMMENTS / Ek Açıklamalar

A. Buhur
Abdullah BUHUR
Laboratory Manager



Deney laboratuvarları olarak faaliyet gösteren **ARGETEST TÜRKAK** tan **AB-0742-T** ile **TS EN ISO/IEC 17025:2017** standartına göre akredite edilmiştir. **ARGETEST** accredited by **TÜRKAK** under registration number **AB-0742-T** for **TS EN ISO/IEC 17025:2017** as test laboratory.

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İİM: İşletme içi metod/In house method.

Şahit numunesinin arşivde saklama süresi 6 aydır ve analizlere ancak bu süre içinde itiraz edilebilir. Genişletilmiş ölçüm belirsizlikleri ve karar kuralı laboratuvarından talep edildiği durumlarda raporda belirtilir. / Retention period of witness samples in the archive are 6 months and analysis could have contested only during this time. Expanded measurement uncertainty and decision rule will be stated in the report upon client request.

CERTIFICATE OF ANALYSIS

AGT240351

	Method	WGHT	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	WM LOI1000
	Analyte	Wgt	* Al2O3	* CaO	SrO	BaO	* Na2O	SO3	* SiO2	Fe2O3	MnO	Cr2O3	MgO	P2O5	TiO2	* K2O	* LOI1000
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-10
Sample	Type																
17845	DRILL CORE	2.69	0.15	55.55	0.03	<0.01	<0.01	0.03	1.11	0.25	<0.01	<0.01	0.49	<0.01	<0.01	<0.01	42.38
17846	DRILL CORE	4.7	0.21	55.43	0.03	<0.01	<0.01	0.03	1.52	0.36	<0.01	<0.01	0.53	<0.01	<0.01	<0.01	41.88
17847	DRILL CORE	4.77	0.16	55.97	0.03	<0.01	<0.01	0.04	1.16	0.24	<0.01	<0.01	0.61	<0.01	<0.01	<0.01	41.78
17848	DRILL CORE	1.79	0.12	55.87	0.04	<0.01	<0.01	0.05	0.97	0.21	<0.01	<0.01	0.87	<0.01	<0.01	<0.01	41.86
17849	ROCK PULP	0.06	0.32	49.98	<0.01	<0.01	<0.01	0.02	9.87	0.38	0.02	0.17	0.39	<0.01	<0.01	0.02	38.83
17850	DRILL CORE	5.4	0.15	54.87	0.03	<0.01	<0.01	0.08	1.00	0.21	<0.01	<0.01	3.57	<0.01	<0.01	<0.01	40.09
17851	DRILL CORE	6.03	0.42	45.96	0.03	<0.01	<0.01	0.19	2.78	0.56	<0.01	<0.01	6.47	<0.01	<0.01	0.02	43.56
17852	DRILL CORE	5.17	0.26	55.99	0.04	<0.01	<0.01	0.10	1.51	0.33	<0.01	<0.01	1.79	<0.01	<0.01	0.02	39.96
17853	DRILL CORE	5.26	0.35	54.12	0.04	<0.01	<0.01	0.11	2.18	0.41	<0.01	<0.01	2.90	<0.01	<0.01	0.02	39.87
17854	DRILL CORE	5.43	0.84	44.42	0.03	<0.01	<0.01	0.17	5.09	1.14	<0.01	<0.01	6.16	0.01	<0.01	0.03	42.08
17855	DRILL CORE	6.21	0.15	55.99	0.04	<0.01	<0.01	0.07	0.93	0.19	<0.01	<0.01	0.64	<0.01	<0.01	0.02	41.97
17856	DRILL CORE	2.23	0.10	55.59	0.04	<0.01	<0.01	0.06	0.48	0.16	<0.01	<0.01	0.50	<0.01	<0.01	<0.01	43.06
17857	DRILL CORE	2.16	0.09	55.57	0.03	<0.01	<0.01	0.05	0.42	0.13	<0.01	<0.01	0.38	<0.01	<0.01	0.01	43.33
17858	DRILL CORE	5.79	0.09	55.32	0.04	<0.01	<0.01	0.04	0.41	0.11	<0.01	<0.01	0.42	<0.01	<0.01	<0.01	43.56
17859	DRILL CORE	6.12	0.10	55.78	0.05	<0.01	<0.01	0.05	0.46	0.14	<0.01	<0.01	0.53	0.01	<0.01	<0.01	42.87
17860	DRILL CORE	7.11	0.10	55.34	0.04	<0.01	<0.01	0.06	0.65	0.18	<0.01	<0.01	0.61	<0.01	<0.01	<0.01	43.02
17861	DRILL CORE	4.95	0.16	55.41	0.04	<0.01	<0.01	0.07	1.00	0.18	<0.01	<0.01	0.99	<0.01	<0.01	<0.01	42.16
17862	DRILL CORE	5.91	0.20	55.87	0.04	<0.01	<0.01	0.10	0.83	0.20	<0.01	<0.01	0.88	<0.01	<0.01	0.01	41.85
17863	DRILL CORE	5.67	0.24	55.56	0.04	<0.01	<0.01	0.10	1.08	0.28	<0.01	<0.01	1.57	<0.01	<0.01	<0.01	41.13
17864	DRILL CORE	5.73	0.26	55.26	0.04	<0.01	<0.01	0.14	1.47	0.37	<0.01	<0.01	2.58	<0.01	<0.01	0.02	39.87
17865	DRILL CORE	5.47	0.32	55.67	0.03	<0.01	<0.01	0.12	1.58	0.38	<0.01	<0.01	1.93	<0.01	<0.01	0.02	39.95
17866	DRILL CORE	6.5	0.32	55.15	0.03	<0.01	<0.01	0.11	1.51	0.36	<0.01	<0.01	2.50	<0.01	<0.01	0.02	39.98
17867	DRILL CORE	5.37	0.04	55.64	0.02	<0.01	<0.01	0.03	0.30	0.05	<0.01	<0.01	0.34	<0.01	<0.01	<0.01	43.59
17868	DRILL CORE	6.44	0.08	55.61	0.03	<0.01	<0.01	0.06	0.68	0.09	<0.01	<0.01	0.53	<0.01	<0.01	<0.01	42.93
17869	DRILL CORE	3.62	0.13	55.51	0.02	<0.01	<0.01	0.05	0.35	0.07	<0.01	<0.01	0.47	<0.01	<0.01	<0.01	43.39
17870	DRILL CORE	6.09	0.06	55.78	0.02	<0.01	<0.01	0.04	0.26	0.06	<0.01	<0.01	0.49	<0.01	<0.01	<0.01	43.28
17871	DRILL CORE	5.13	0.02	55.50	0.02	<0.01	<0.01	0.03	0.12	0.03	<0.01	<0.01	0.34	<0.01	<0.01	<0.01	43.93
17872	DRILL CORE	5.35	0.04	55.53	0.02	<0.01	<0.01	0.04	0.14	0.05	<0.01	<0.01	0.49	<0.01	<0.01	<0.01	43.69
17873	DRILL CORE	6.41	0.10	54.26	0.03	<0.01	<0.01	0.10	0.36	0.15	<0.01	<0.01	4.92	<0.01	<0.01	0.01	40.08
17874	DRILL CORE	6.26	0.08	54.46	0.03	<0.01	<0.01	0.10	0.34	0.10	<0.01	<0.01	2.99	<0.01	<0.01	0.01	41.89
17875	DRILL CORE	6.19	0.21	54.23	0.03	<0.01	<0.01	0.13	0.85	0.24	<0.01	<0.01	4.32	<0.01	<0.01	0.02	39.96
17876	DRILL CORE	6.56	0.16	55.33	0.03	<0.01	<0.01	0.11	0.66	0.20	<0.01	<0.01	2.51	<0.01	<0.01	0.01	40.98
17877	ROCK PULP	0.05	0.26	36.02	<0.01	<0.01	<0.01	0.48	3.97	1.50	0.47	<0.01	14.56	0.02	<0.01	0.07	33.69

QUALITY CONTROL REPORT

AGT240351

Method	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	WM LOI1000
Analyte	Al2O3	CaO	SrO	BaO	Na2O	SO3	SiO2	Fe2O3	MnO	Cr2O3	MgO	P2O5	TiO2	K2O	LOI1000	
Unit	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-10

Sample	Type															
17863	DRILL CORE	0.24	55.56	0.04	<0.01	<0.01	0.10	1.08	0.28	<0.01	<0.01	1.57	<0.01	<0.01	<0.01	41.13
17863-DUP	DUPLICATE	0.21	55.01	0.04	<0.01	<0.01	0.10	1.05	0.27	<0.01	<0.01	1.59	<0.01	<0.01	0.02	41.72

CERTIFICATE OF ANALYSIS / ANALİZ RAPORU

AGT2330430

MÜŞTERİ BİLGİLERİ / CLIENT JOB INFORMATION

Müşteri Adı / Client	: VIŞNE MAD.ÜRETİM SAN. VE TİC.A.Ş.
Kabul Tarihi / Received Date	: 11.12.2023
İş Numarası / Job Number	: AGT2330430
Numune Sayısı / Number of Sample	: 5
Proje Adı / Project	: 2550761 (Batch No: 2550761-0001)
Rapor Tarihi / Reported Date	: 18.12.2023

LABORATUVAR PROSEDÜRLERİ / LABORATORY PROCEDURES

WGHT	Received Sample Weight
PREP70-500	Dry at 80 degree, crush 1 kg 70% < 2 mm / pulverization 500 g. 85% < 75 micron
XRF WR-01	XRF Press Pellet

ADDITIONAL COMMENTS / Ek Açıklamalar

A. Buhur
Abdullah BUHUR
Laboratory Manager



Türk Akreditasyon Kurumu(TÜRKAK) deney raporlarının tanınması konusunda **Avrupa Akreditasyon Birliği(EA) ve Uluslararası Laboratuvar Akreditasyon Birliği(ILAC)** ile karşılıklı tanınma antlaşmasını imzalamıştır. / The Turkish Accreditation Agency(TURKAK) is signatory to the multilateral agreements of the **European co-operation for the Accreditation(EA)** and **The International Laboratory Accreditation Cooperation(ILAC)** for the mutual recognition of test reports. Laboratuvarımız TÜRK AKKREDİTASYON KURUMU tarafından akredite edilmiştir. Akreditasyon kapsamındaki analizler “*” ile belirtilmiştir. Bu rapor laboratuvar izni olmaksızın kopyalanıp çoğaltılamaz. İmzasız ve mühürlü raporlar geçersizdir. Sonuçlar sadece analizi yapılan numuneye aittir. Analizler kuru bazda ve 25 ± 3 °C’de yapılmıştır. / Our laboratory accredited by TURKISH ACCREDITATION AGENCY.This report shall not be reproduced other than in full except with permission of the laboratory. Testin reports without signature and seal are not valid. Results are only belong to the analyzed sample. Analyses were made at 25 ± 3 °C. Şahit numunesinin arşivde saklama süresi 6 aydır ve analizlere ancak bu süre içinde itiraz edilebilir. Genişletilmiş ölçüm belirsizlikleri ve karar kuralı laboratuvarından talep edildiği durumlarda raporda belirtilir. / Retention period of witness samples in the archive are 6 months and analysis could have contested only during this time. Expanded measurement uncertainty and decision rule will stated in the report upon client request. Deney ve/veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve deney metodları bu sertifikanın tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir. / The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.

CERTIFICATE OF ANALYSIS

AGT2330430

	Method	WGHT	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01
	Analyte	Wgt	* Al2O3	* CaO	SrO	BaO	* Na2O	SO3	* SiO2	Fe2O3	MnO	Cr2O3	MgO	P2O5	TiO2	* K2O	* LOI1000
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-10
Sample	Type																
17430	DRILL CORE	6.22	0.06	55.82	0.01	<0.01	<0.01	0.03	0.26	0.04	<0.01	<0.01	0.24	<0.01	<0.01	<0.01	43.52
17431	DRILL CORE	4.92	0.07	55.53	0.02	<0.01	<0.01	0.03	0.23	0.04	<0.01	<0.01	0.45	<0.01	<0.01	<0.01	43.64
17432	DRILL CORE	4.91	0.07	51.88	0.02	<0.01	<0.01	0.10	0.36	0.10	<0.01	<0.01	3.14	<0.01	<0.01	<0.01	44.33
17433	DRILL CORE	8.44	0.11	50.30	0.02	<0.01	<0.01	0.10	0.54	0.16	<0.01	<0.01	4.33	<0.01	<0.01	0.01	44.43
17434	DRILL CORE	8.14	0.29	48.78	0.03	<0.01	<0.01	0.14	1.15	0.28	<0.01	<0.01	4.71	<0.01	<0.01	0.03	44.61

CERTIFICATE OF ANALYSIS / ANALİZ RAPORU

AGT2330431

MÜŞTERİ BİLGİLERİ / CLIENT JOB INFORMATION

Müşteri Adı / Client	: VIŞNE MAD.ÜRETİM SAN. VE TİC.A.Ş.
Kabul Tarihi / Received Date	: 11.12.2023
İş Numarası / Job Number	: AGT2330431
Numune Sayısı / Number of Sample	: 30
Proje Adı / Project	: 2550761 (Batch No: 2550761-0002)
Rapor Tarihi / Reported Date	: 18.12.2023

LABORATUVAR PROSEDÜRLERİ / LABORATORY PROCEDURES

WGHT	Received Sample Weight
PREP70-500	Dry at 80 degree, crush 1 kg 70% < 2 mm / pulverization 500 g. 85% < 75 micron
XRF WR-01	XRF Press Pellet

ADDITIONAL COMMENTS / Ek Açıklamalar

A. Bulur
Abdullah BUHUR
Laboratory Manager



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CERTIFICATE OF ANALYSIS

AGT2330431

	Method	WGHT	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01
	Analyte	Wgt	* Al2O3	* CaO	SrO	BaO	* Na2O	SO3	* SiO2	Fe2O3	MnO	Cr2O3	MgO	P2O5	TiO2	* K2O	* LOI1000
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-10
Sample	Type																
17435	DRILL CORE	4.7	0.12	55.77	0.02	<0.01	<0.01	0.05	0.45	0.11	<0.01	<0.01	0.37	<0.01	<0.01	<0.01	43.10
17436	DRILL CORE	6.05	0.14	55.53	0.03	<0.01	<0.01	0.08	0.50	0.16	<0.01	<0.01	0.32	<0.01	<0.01	0.01	43.22
17437	DRILL CORE	6.17	0.13	55.86	0.03	<0.01	<0.01	0.06	0.53	0.13	<0.01	<0.01	0.35	<0.01	<0.01	0.01	42.90
17438	DRILL CORE	6.23	0.18	55.64	0.02	<0.01	<0.01	0.09	0.81	0.23	<0.01	<0.01	0.31	<0.01	<0.01	<0.01	42.71
17439	DRILL CORE	6.82	0.29	55.73	0.03	<0.01	<0.01	0.10	1.18	0.36	<0.01	<0.01	0.59	<0.01	<0.01	0.02	41.70
17440	DRILL CORE	6.23	0.12	55.54	0.02	<0.01	<0.01	0.04	0.45	0.08	<0.01	<0.01	0.33	<0.01	<0.01	0.02	43.41
17459	DRILL CORE	7.04	0.10	55.83	0.02	<0.01	<0.01	0.05	0.29	0.09	<0.01	<0.01	0.42	<0.01	<0.01	0.01	43.17
17460	DRILL CORE	9.05	0.10	55.95	0.02	<0.01	<0.01	0.04	0.35	0.12	<0.01	<0.01	0.41	<0.01	<0.01	0.01	42.98
17461	DRILL CORE	6.74	0.06	55.99	0.02	<0.01	<0.01	0.05	0.19	0.08	<0.01	<0.01	0.36	<0.01	<0.01	<0.01	43.25
17462	DRILL CORE	8.23	0.09	55.92	0.02	<0.01	<0.01	0.05	0.24	0.08	<0.01	<0.01	0.33	<0.01	<0.01	<0.01	43.27
17463	DRILL CORE	7.68	0.07	55.92	0.02	<0.01	<0.01	0.06	0.18	0.06	<0.01	<0.01	0.39	<0.01	<0.01	<0.01	43.30
17464	DRILL CORE	5.51	0.04	55.91	0.02	<0.01	<0.01	0.04	0.12	0.04	<0.01	<0.01	0.32	<0.01	<0.01	<0.01	43.52
17453	DRILL CORE	6.31	0.19	50.39	0.03	<0.01	<0.01	0.10	0.71	0.24	<0.01	<0.01	3.85	<0.01	<0.01	0.02	44.47
17454	DRILL CORE	6.89	0.29	45.86	0.03	<0.01	<0.01	0.14	1.27	0.35	<0.01	<0.01	7.20	<0.01	<0.01	0.02	44.83
17455	DRILL CORE	6.85	0.34	46.06	0.02	<0.01	<0.01	0.16	1.25	0.30	<0.01	<0.01	7.04	<0.01	<0.01	0.02	44.79
17456	DRILL CORE	6.43	0.08	54.53	0.02	<0.01	<0.01	0.07	0.39	0.12	<0.01	<0.01	1.09	<0.01	<0.01	0.01	43.68
17457	DRILL CORE	7.33	0.11	55.70	0.03	<0.01	<0.01	0.06	0.37	0.12	<0.01	<0.01	0.39	<0.01	<0.01	0.01	43.21
17458	DRILL CORE	7.14	0.11	55.85	0.02	<0.01	<0.01	0.05	0.33	0.08	<0.01	<0.01	0.37	<0.01	<0.01	0.01	43.18
17447	DRILL CORE	4.38	0.10	55.61	0.01	<0.01	<0.01	0.04	0.28	0.08	<0.01	<0.01	0.30	<0.01	<0.01	0.01	43.57
17448	DRILL CORE	4.84	0.12	55.94	0.01	<0.01	<0.01	0.03	0.32	0.11	<0.01	<0.01	0.44	<0.01	<0.01	0.01	43.02
17449	DRILL CORE	4.38	0.11	55.77	0.01	<0.01	<0.01	0.03	0.31	0.12	<0.01	<0.01	0.36	<0.01	<0.01	0.01	43.27
17450	DRILL CORE	6.06	0.22	55.72	0.03	<0.01	<0.01	0.10	0.87	0.29	<0.01	<0.01	3.09	<0.01	<0.01	0.03	39.65
17451	DRILL CORE	1.48	0.07	55.97	0.02	<0.01	<0.01	0.04	0.27	0.10	<0.01	<0.01	0.33	<0.01	<0.01	0.01	43.20
17452	DRILL CORE	6	0.21	51.66	0.02	<0.01	<0.01	0.08	0.81	0.23	<0.01	<0.01	2.97	<0.01	<0.01	0.02	43.99
17441	DRILL CORE	4.83	0.03	56.02	0.02	<0.01	<0.01	0.02	0.11	0.03	<0.01	<0.01	0.23	<0.01	<0.01	<0.01	43.47
17442	DRILL CORE	4.64	0.06	56.02	0.02	<0.01	<0.01	0.02	0.20	0.04	<0.01	<0.01	0.19	<0.01	<0.01	<0.01	43.41
17443	DRILL CORE	2.7	0.06	55.95	0.02	<0.01	<0.01	0.02	0.19	0.04	<0.01	<0.01	0.19	<0.01	<0.01	<0.01	43.53
17444	DRILL CORE	3.87	0.04	55.92	0.02	<0.01	<0.01	0.02	0.15	0.03	<0.01	<0.01	0.21	<0.01	<0.01	<0.01	43.61
17445	DRILL CORE	2.34	0.07	55.76	0.02	<0.01	<0.01	0.02	0.23	0.04	<0.01	<0.01	0.22	<0.01	<0.01	<0.01	43.64
17446	DRILL CORE	3.57	0.06	55.90	0.02	<0.01	<0.01	0.02	0.18	0.04	<0.01	<0.01	0.19	<0.01	<0.01	<0.01	43.58

CERTIFICATE OF ANALYSIS / ANALİZ RAPORU

AGT2330435

MÜŞTERİ BİLGİLERİ / CLIENT JOB INFORMATION

Müşteri Adı / Client	: VIŞNE MAD.ÜRETİM SAN. VE TİC.A.Ş.
Kabul Tarihi / Received Date	: 11.12.2023
İş Numarası / Job Number	: AGT2330435
Numune Sayısı / Number of Sample	: 7
Proje Adı / Project	: 2550761 (Batch No: 2550761-0003)
Rapor Tarihi / Reported Date	: 18.12.2023

LABORATUVAR PROSEDÜRLERİ / LABORATORY PROCEDURES

WGHT	Received Sample Weight
PREP70-500	Dry at 80 degree, crush 1 kg 70% < 2 mm / pulverization 500 g. 85% < 75 micron
XRF WR-01	XRF Press Pellet

ADDITIONAL COMMENTS / Ek Açıklamalar

A. Bulur
Abdullah BUHUR
Laboratory Manager



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CERTIFICATE OF ANALYSIS

AGT2330435

	Method	WGHT	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01
	Analyte	Wgt	* Al2O3	* CaO	SrO	BaO	* Na2O	SO3	* SiO2	Fe2O3	MnO	Cr2O3	MgO	P2O5	TiO2	* K2O	* LOI1000
	Unit	kg	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	MDL	0.1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-10
Sample	Type																
18512	ROCK	2.31	0.09	55.71	0.02	<0.01	<0.01	0.08	0.39	0.12	<0.01	<0.01	0.30	<0.01	<0.01	<0.01	43.27
18513	ROCK	2.9	0.12	56.03	0.03	<0.01	<0.01	0.08	8.73	0.41	<0.01	0.07	0.39	0.01	<0.01	0.01	34.14
18514	ROCK	2.5	0.13	55.67	0.03	<0.01	<0.01	0.04	0.81	0.16	<0.01	<0.01	0.56	<0.01	<0.01	<0.01	42.60
18515	ROCK	2.1	0.10	55.90	0.03	<0.01	<0.01	0.04	0.66	0.15	<0.01	<0.01	0.35	<0.01	<0.01	<0.01	42.77
18516	ROCK	2.78	0.04	55.68	0.03	<0.01	<0.01	0.02	0.12	0.06	<0.01	<0.01	0.37	<0.01	<0.01	<0.01	43.68
18517	ROCK	1.76	0.08	55.65	0.03	<0.01	<0.01	0.06	0.26	0.10	<0.01	<0.01	0.28	0.01	<0.01	<0.01	43.51
18518	ROCK	1.72	0.19	53.32	0.03	<0.01	<0.01	0.05	11.88	0.48	<0.01	0.05	1.22	0.02	<0.01	0.02	32.73

CERTIFICATE OF ANALYSIS / ANALİZ RAPORU

AGT2330690

MÜŞTERİ BİLGİLERİ / CLIENT JOB INFORMATION

Müşteri Adı / Client	: VİŞNE MAD.ÜRETİM SAN. VE TİC.A.Ş.
Kabul Tarihi / Received Date	: 21.12.2023
İş Numarası / Job Number	: AGT2330690
Numune Sayısı / Number of Sample	: 20
Proje Adı / Project	: 2550761 (Batch No: 2550761-0004)
Rapor Tarihi / Reported Date	: 28.12.2023

LABORATUVAR PROSEDÜRLERİ / LABORATORY PROCEDURES

WGHT	Received Sample Weight
PREP70-500	Dry at 80 degree, crush 1 kg 70% < 2 mm / pulverization 500 g. 85% < 75 micron
XRF WR-01	XRF Press Pellet

ADDITIONAL COMMENTS / Ek Açıklamalar

A. Buhur

Abdullah BUHUR
Laboratory Manager



Türk Akreditasyon Kurumu(TÜRKAK) deney raporlarının tanınması konusunda **Avrupa Akreditasyon Birliği(EA) ve Uluslararası Laboratuvar Akreditasyon Birliği(ILAC)** ile karşılıklı tanınma antlaşmasını imzalamıştır. / The Turkish Accreditation Agency(TURKAK) is signatory to the multilateral agreements of the **European co-operation for the Accreditation(EA)** and **The International Laboratory Accreditation Cooperation(ILAC)** for the mutual recognition of test reports. Laboratuvarımız TÜRK AKREDİTASYON KURUMU tarafından akredite edilmiştir. Akreditasyon kapsamındaki analizler “*” ile belirtilmiştir. Bu rapor laboratuvar izni olmaksızın kopyalanıp çoğaltılamaz. İmzasız ve mühürlü raporlar geçersizdir. Sonuçlar sadece analizi yapılan numuneye aittir. Analizler kuru bazda ve 25 ± 3 °C’de yapılmıştır. / Our laboratory accredited by TURKISH ACCREDITATION AGENCY.This report shall not be reproduced other than in full except with permission of the laboratory. Testin reports without signature and seal are not valid. Results are only belong to the analyzed sample. Analyses were made at 25 ± 3 °C. Şahit numunesinin arşivde saklama süresi 6 aydır ve analizlere ancak bu süre içinde itiraz edilebilir. Genişletilmiş ölçüm belirsizlikleri ve karar kuralı laboratuvarından talep edildiği durumlarda raporda belirtilir. / Retention period of witness samples in the archive are 6 months and analysis could have contested only during this time. Expanded measurement uncertainty and decision rule will stated in the report upon client request. Deney ve/veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve deney metodları bu sertifikanın tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir. / The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.

CERTIFICATE OF ANALYSIS

AGT2330690

Method	WGHT	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01	XRF WR-01
Analyte	Wgt	* Al2O3	* CaO	SrO	BaO	* Na2O	SO3	* SiO2	Fe2O3	MnO	Cr2O3	MgO	P2O5	TiO2	* K2O	* LOI1000	
Unit	kg	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
MDL	0.1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-10
Sample	Type																
17495	DRILL CORE	4.78	0.07	55.45	0.02	<0.01	<0.01	0.03	0.23	0.06	<0.01	<0.01	0.29	<0.01	<0.01	<0.01	43.83
17496	DRILL CORE	4.48	0.02	56.02	0.02	<0.01	<0.01	0.03	0.06	0.04	<0.01	<0.01	0.21	<0.01	<0.01	<0.01	43.59
17497	DRILL CORE	3.58	0.03	55.97	0.02	<0.01	<0.01	0.02	0.11	0.04	<0.01	<0.01	0.22	<0.01	<0.01	<0.01	43.58
17498	DRILL CORE	4.24	0.02	55.97	0.02	<0.01	<0.01	0.02	0.05	0.03	<0.01	<0.01	0.19	<0.01	<0.01	<0.01	43.70
17499	DRILL CORE	4.13	0.01	55.76	0.01	<0.01	<0.01	0.02	0.04	0.02	<0.01	<0.01	0.18	<0.01	<0.01	<0.01	43.95
17500	DRILL CORE	3.72	0.02	55.90	0.02	<0.01	<0.01	0.02	0.05	0.03	<0.01	<0.01	0.21	<0.01	<0.01	<0.01	43.74
17563	DRILL CORE	6.02	0.06	55.34	0.02	<0.01	<0.01	0.05	0.21	0.09	<0.01	<0.01	0.34	<0.01	<0.01	<0.01	43.87
17564	DRILL CORE	4.39	0.08	56.01	0.02	<0.01	<0.01	0.06	0.28	0.08	<0.01	<0.01	0.34	<0.01	<0.01	<0.01	43.11
17557	DRILL CORE	5.05	0.17	55.53	0.02	<0.01	<0.01	0.05	0.63	0.22	<0.01	<0.01	0.39	<0.01	<0.01	0.02	42.95
17558	DRILL CORE	4.45	0.09	55.91	0.03	<0.01	<0.01	0.07	0.30	0.11	<0.01	<0.01	0.35	<0.01	<0.01	<0.01	43.11
17559	DRILL CORE	4.37	0.08	55.89	0.02	<0.01	0.01	0.05	0.24	0.07	<0.01	<0.01	0.32	<0.01	<0.01	<0.01	43.29
17560	DRILL CORE	5.54	0.10	55.20	0.02	<0.01	<0.01	0.05	0.29	0.12	<0.01	<0.01	0.38	<0.01	<0.01	<0.01	43.81
17561	DRILL CORE	6	0.10	55.57	0.02	<0.01	0.02	0.04	0.30	0.12	<0.01	<0.01	0.34	<0.01	<0.01	<0.01	43.48
17562	DRILL CORE	6.18	0.07	55.45	0.02	<0.01	0.01	0.05	0.20	0.08	<0.01	<0.01	0.34	<0.01	<0.01	<0.01	43.77
17551	DRILL CORE	6.08	0.04	55.77	0.01	<0.01	<0.01	0.02	0.22	0.07	<0.01	<0.01	0.25	<0.01	<0.01	<0.01	43.59
17552	DRILL CORE	4.47	0.08	55.88	0.02	<0.01	<0.01	0.03	0.24	0.10	<0.01	<0.01	0.28	<0.01	<0.01	<0.01	43.35
17553	DRILL CORE	5.72	0.09	56.01	0.02	<0.01	<0.01	0.03	0.28	0.11	<0.01	<0.01	0.25	<0.01	<0.01	<0.01	43.19
17554	DRILL CORE	5.35	0.09	55.20	0.02	<0.01	0.01	0.03	0.28	0.12	<0.01	<0.01	0.29	<0.01	<0.01	<0.01	43.95
17555	DRILL CORE	5.35	0.23	55.74	0.01	<0.01	<0.01	0.03	0.83	0.31	<0.01	<0.01	0.38	<0.01	<0.01	0.02	42.42
17556	DRILL CORE	4.79	0.33	55.41	0.02	<0.01	0.01	0.04	1.25	0.36	<0.01	0.01	0.47	<0.01	<0.01	0.03	42.05



PETROGRAFİ ANALİZ SONUÇLARI

MİTUS KAHRAMANMARAŞ ÖRNEKLERİ İNCE KESİT İNCELEMESİ

VIŞNE MADENCİLİK ÜRETİM SANAYİ VE TİC. A. Ş., Ruhsat 69069 ER:2550761, Kahramanmaraş-Pazarcık (Akkoyunlu) taş ocağı sondajlarından derlenen 3 adet karot örneğinden (17531 ve 17533) KTÜ İnce Kesit Laboratuvarında hazırlanan ince kesitler Araştırma Mikroskobu Laboratuvarında fotoğraf makinesi ile donatılmış NIKON ECLIPSE E400 POL marka polarizan mikroskopta incelenerek ve fotoğraflanmıştır.



Şekil 1. Nikon Eclipse E400 POL

Prof. Dr. Ömer SEN
K. T. O.
Jeoloji Müh. Bölümü
Oda Sicil No: 3473

Kullanılan objektifler ve oküler, çizgisel büyütme

Objektif	Oküler	Çizgisel Ölçek (µm)
2.5	10	500
5	10	250
10	10	125

MD-7 25.20 - 25.30 m

ÖRNEK NO: 17531

El Numunesinin Özellikleri

Renk: Açık renkli örnek beyazımsı-kirli beyazımsı renlidir (Şekil 2).

Doku: Kırıntılı tortul doku gösteren örnekte ince kum-orta kum boyutundaki kırıntılar daha ince taneli kalsit kristalleri tarafından tutturulmuştur (Şekil 2).

Dane Boyutu: İnce

Kayaçın tüm bileşenleri %10'luk seyreltilmiş HCl asitte köpürür.



Şekil 2. 17531 nolu örnek

MİKROSKOPİK ÖZELLİKLER

Doku: Kırıntılı tortul dokuda boyutları birkaç yüz μm 'den birkaç mm 'ye ulaşan ooid, pellet ve biyoklastlar (mikrofosiller) mikrosparitlik (10 μm - 100 μm boyutundaki kalsit kristalleri) çimento ile tutturulmuştur (Şekil 3a - d).

Bileşenler:

Ooidler, boyutları 500 μm 'den daha küçük merkezlerinde yarı-köşeli intraklastların bulunduğu, etrafları alglerle çevrelenmiş küresel, elipsoidalimsi taneciklerdir (Şekil 3c ve d).

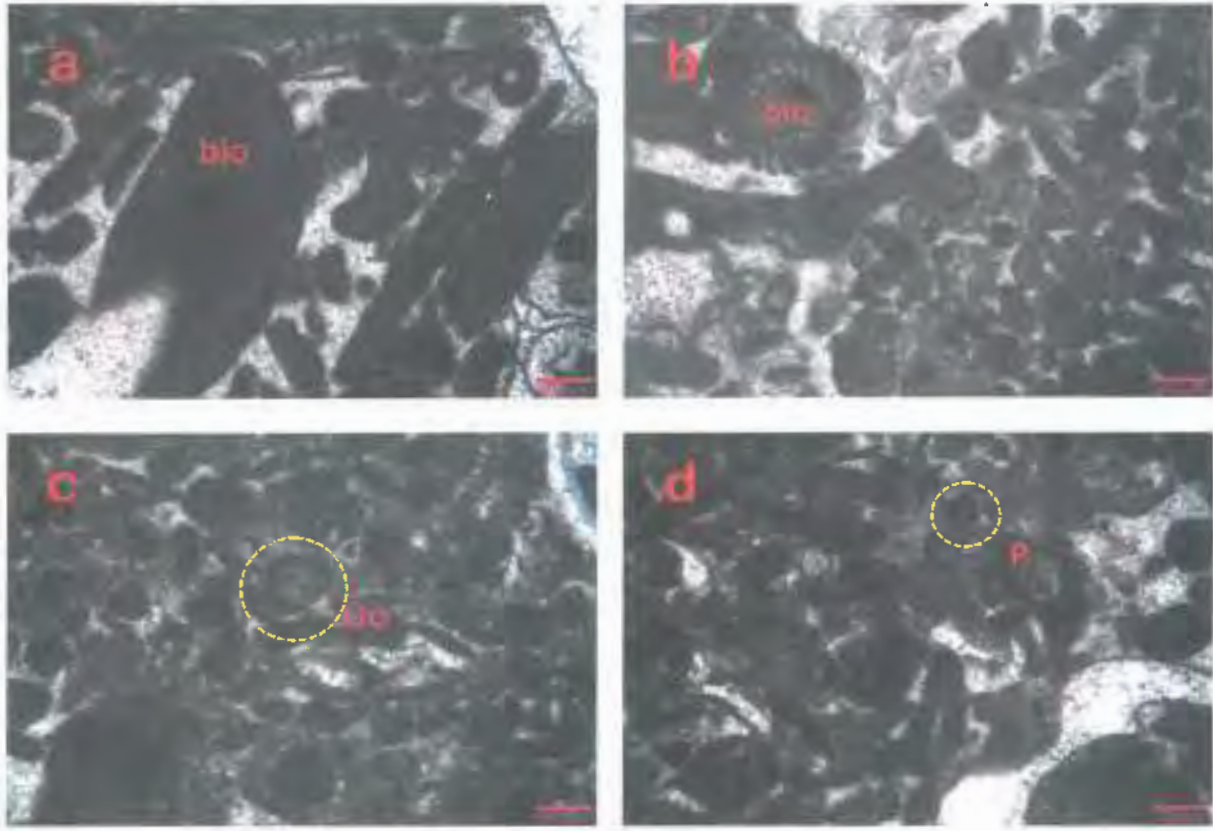
Pelletler, boyutları birkaç yüz μm 'den daha küçük merkezlerinde kırıntı olmayan alglerden oluşan küresel, elipsoidalimsi ve tüpvari taneciklerdir (Şekil 3b, c ve d).

Biyoklastlar, boyutları yer yer birkaç mm 'ye varan, bir kısmının formları korunmuş foraminifer mikrofosillerinin parçalarından oluşmuştur (Şekil 3a ve b).

Mikro sparitlik matriks, taneleri bir birine tutturmuştur.

Kayaç Adı: Ooidli-pelletli biyoklastlı kalkerit.

CK



Şekil 3. 17531 nolu örneğine ait ince kesit fotoğrafları. Kırıntılı tortul kayacı oluşturan karbonatlı bileşenlerin (blo-biyoklast, Oo-ooid ve P-pitted) mikro-sparitlik çimento (açık renkli) görünüşü (a-d).

W

MD-1 31.70 - 31.80 m

ÖRNEK NO: 17533

El Numunesinin Özellikleri

Renk: Örnek, sarımsı, sarımsı-kahverengidir (Şekil 6).

Doku: Kayaç tamamen mikritik çamurdan itibaren oluşmuştur (Şekil 6). Kayaçta birbirine yaklaşık paralel ve koyu kahve renkli, açık kahve renkli kurdele yapıları görülür (Şekil 6).

Dane Boyutu: İnce

Kayaç %10'luk seyreltilmiş HCl asitte köpürür.



Şekil 6. 17533 nolu örnek

MİKROSKOPİK ÖZELLİKLER

Doku: Mikritik boyutlardaki kalsit kristallerinden oluşan matrisi içerisinde boyutları birkaç on μm 'ye varan açık renkli pelajik biyoklastlar (mikrofosiller) (Şekil 7a - d) bulunur. Mikritik matrisi yer yer demirli mikritlidir, demirli mikritli kısımların bolluğu kayaca koyu kahverengini vermektedir (Şekil 7a - d).

Bileşenler:

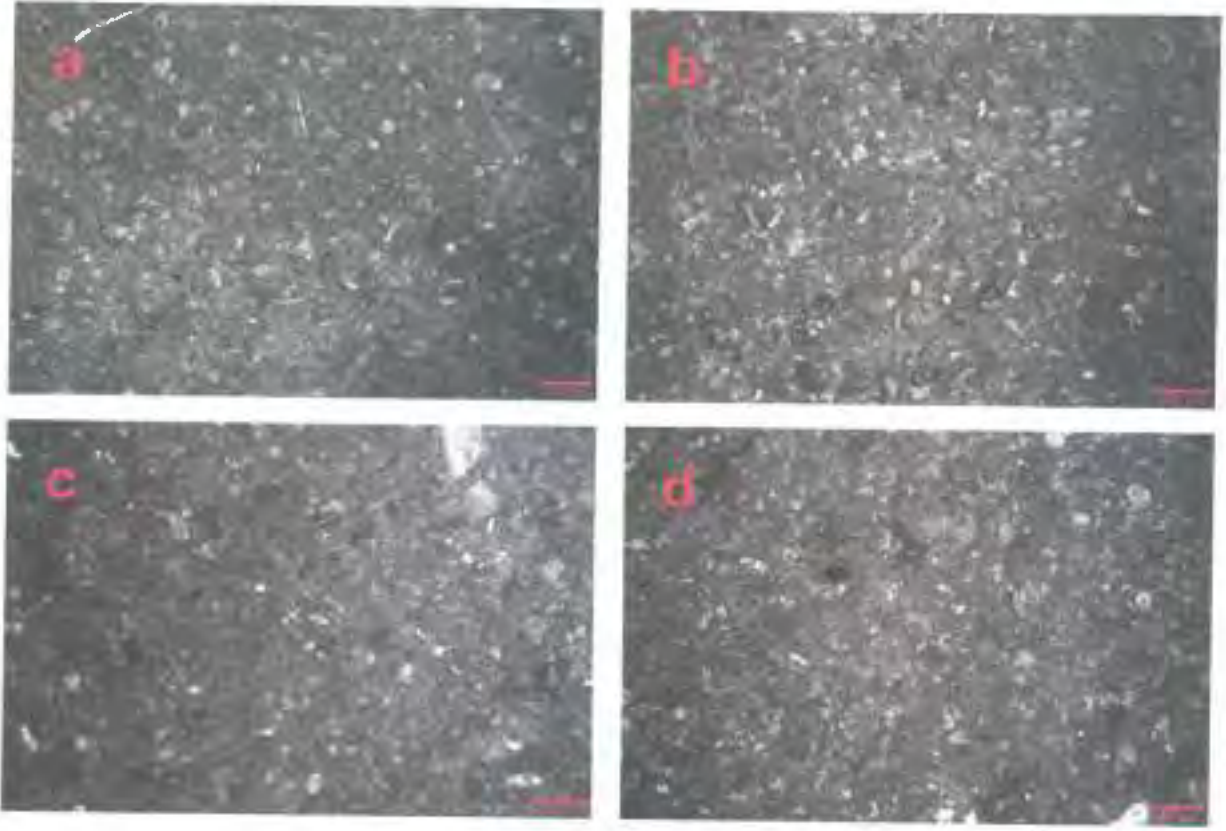
Biyoklastlar (?), boyutları birkaç on μm 'ye varan küresel, baskı elipsoidal açık renkli bileşenlerdir (Şekil 7a - d). Pelajik formlardan oluşur.

Kılcal çatlaklar boyunca yoğun kahverengimsi demirli mikritler bulunur (Şekil 7a-d).

Matrisi, mikritik kalsit kristallerinden oluşur, koyu renklidir.

Kayaç Adı: Pelajik mikritik kireçtaşı

43



Şekil 7. 17533 nolu örneğine ait ince kesit fotoğrafları. Mikritik matris içerisindeki küresel pelajik biyoklastlar ile mikritik matris içerisindeki demirli mikritlerin (kahverengimsi) görünümü (a - d).

SW

MİTUS ADANA CEYHAN (GÜNDOĞAN) ÖRNEKLERİ İNCE KESİT İNCELEMESİ

VIŞNE MADENCİLİK ÖRETİM SANAYİ VE TİC. A. Ş., Ruhsat 69069 ER:2550761, Kahramanmaraş-Pazarlık (Akkoyunlu) taş ocağı sondajlarından derlenen 3 adet karot örneğinden (17534, 17535 ve 17536) KTÜ İnce Kesit Laboratuvarında hazırlanan ince kesitler Araştırma Mikroskobu Laboratuvarında fotoğraf makinesi ile donatılmış NIKON ECLIPSE E400 POL marka polarizan mikroskopta incelenerek ve fotoğraflanmıştır.



Şekil 1. Nikon Eclipse E400 POL

Prof. Dr. Cüneyt SEN
R.T.O.
Jeoloji Müh. Bölümü
Oda Sicil No: 3473

Kullanılan objektifler ve oküler, çizgisel büyütme

Objektif	Oküler	Çizgisel Ölçek (µm)
2.5	10	500
5	10	250
10	10	125

MD-1 125.50 – 125.60 m

ÖRNEK NO: 17534

El Numunesinin Özellikleri

Renk: Sarımsı beyaz (Şekil 2).

Doku: mikrosparitik matrisi içerisinde boyutları $\frac{1}{4}$ mm ile birkaç cm arasında değişen biyoklastlar (pelespod, gastropod kavkılan ile foraminifer fosilleri) ile boyutları $\frac{1}{4}$ mm ile $\frac{1}{2}$ mm arasında intra/ekstraklastlar bulunur. Biyoklastlar kayacın %20'sine yakınıni oluşturur. Kayapta yer yer erime boşlukları görülür (Şekil 2).

Dane Boyutu: İnce-orta-iri

Kayacın tüm bileşenleri %10'luk seyreltilmiş HCl asitte köpürür.



Şekil 2. 17534 nolu örnekte görülen biyoklastlar ve erime boşlukları

MİKROSKOPİK ÖZELLİKLER

Doku: Mikrosparitik-sparitik (10 μ m'den büyük kalsit kristalleri) matrisi içerisinde boyutları birkaç yüz μ m'den birkaç cm'ye kadar biyoklastlar (pelespod, gastropod kavkılan ile iyi korunmuş foraminifer fosilleri), boyutları birkaç mm'ye ulaşan küremsi oolit/pizolitler (çoğunlukla biyoklastik parçanın etrafını saran alglerin oluşturduğu) ve boyutları mm'ye ulaşan öz şekilsiz iri kalsit kristallerinden oluşmuş ekstraklastlar bulunur. (Şekil 3a - d).

W

Bileşenler:

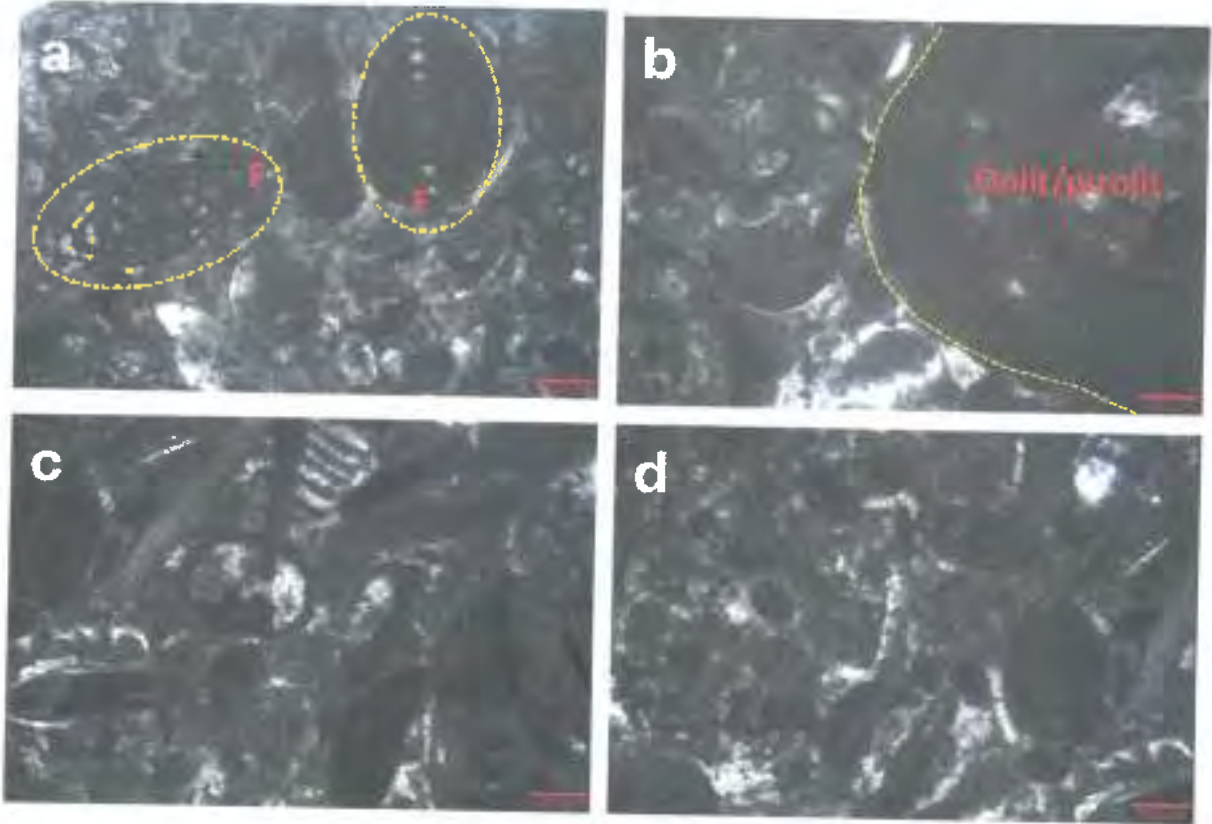
Biyoklastlar, bollukları yüzde 20'ye, boyutları yer yer cm'ye varan açık renkli gastropod, pelespod kavkı parçaları ile iyi korunmuş foraminifer fosilleridir (Şekil 3a - d)

Oolit/pizolit, bollukları yüzde 10 civarında boyutları yer yer birkaç mm'yi aşan küresel bileşenlerdir. Bazılarının merkezinde biyoklastik parçalar bulunur ve etrafı alglerle çevrilidir. Diğerlerinin merkezlerinde inorganik bileşen bulunmaz, alglerin yumak şeklinde sarılarak oluşturduğu bileşenlerdir (Şekil 3b).

Intraklastlar (i), spartik matris içinde bollukları yüzde 5'den az boyutları birkaç yüz μm 'den mm varan köşeli, yarı-köşeli tanecekler şeklinde in kalsit kristallerinin oluşturduğu bileşenlerdir

Mikrospartik-spartik matris, açık renklidir yer yer boyutları birkaç μm 'ye varan peletlerden (koyu grimsi renkli küçük kalsit topçukları) oluşur.

Kayaç Adı: Fosilli kireçtaşı



Şekil 3. 17534 nolu örneğine ait ince kesit fotoğrafları. Mikrospartik-spartik matris içindeki biyoklastların (kavkı parçaları ve foraminifer (F) fosilleri), oolit/pizolitlerin ve intraklastların görünüşleri

4



Örneğin Alizarin kırmızısı ile boyanması sonucunda tamamına yakınının boyandığı tespit edilmiştir.

W

MD-2 29.10 – 29.25 m

ÖRNEK 17535

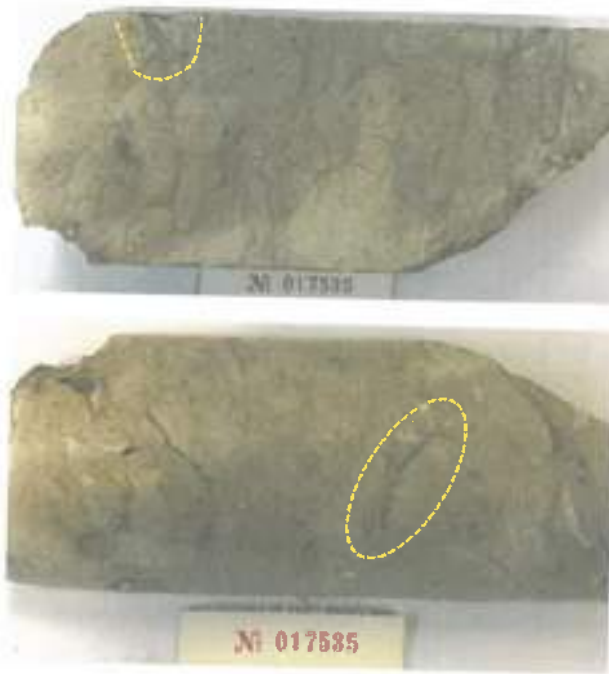
El Numunesinin Özellikleri

Renk: Sarımsı beyaz renkli kayaç kahve renkli damarcıklar tarafından ağsıl şekilde kesilmiştir (Şekil 4).

Doku: Mikrosparitik matriksten oluşmuş kayaç içerisinde boyutları birkaç cm varan pelespod kavkılan ile mm boyutlarında foraminifer fosilleri bulunur (Şekil 4).

Dane Boyutu: İnce, orta, iri

Kayaç oluşturan tüm bileşenler %10'luk seyreltilmiş HCl asitte köpürür.



Şekil 4. 17535 nolu örnekte görülen pelespod kavkılan ile kahverenkli damarcıklar

MİKROSKOPİK ÖZELLİKLER

Kayaç yer yer yoğun olmak üzere demirli mikritik boyamalar ile biyoklast, ekstraklast içeren mikrosparitik matriksten oluşmuştur (Şekil 5a - d).

Bileşenler

Biyoklastlar (b), boyutları birkaç mm'ye varan pelespod kavkı parçalarından ve küremsi/elipsoidimsi foraminifer parçalarından oluşur (Şekil 5a - d). Bollukları yer yer yüzde 5-7 civarındadır.

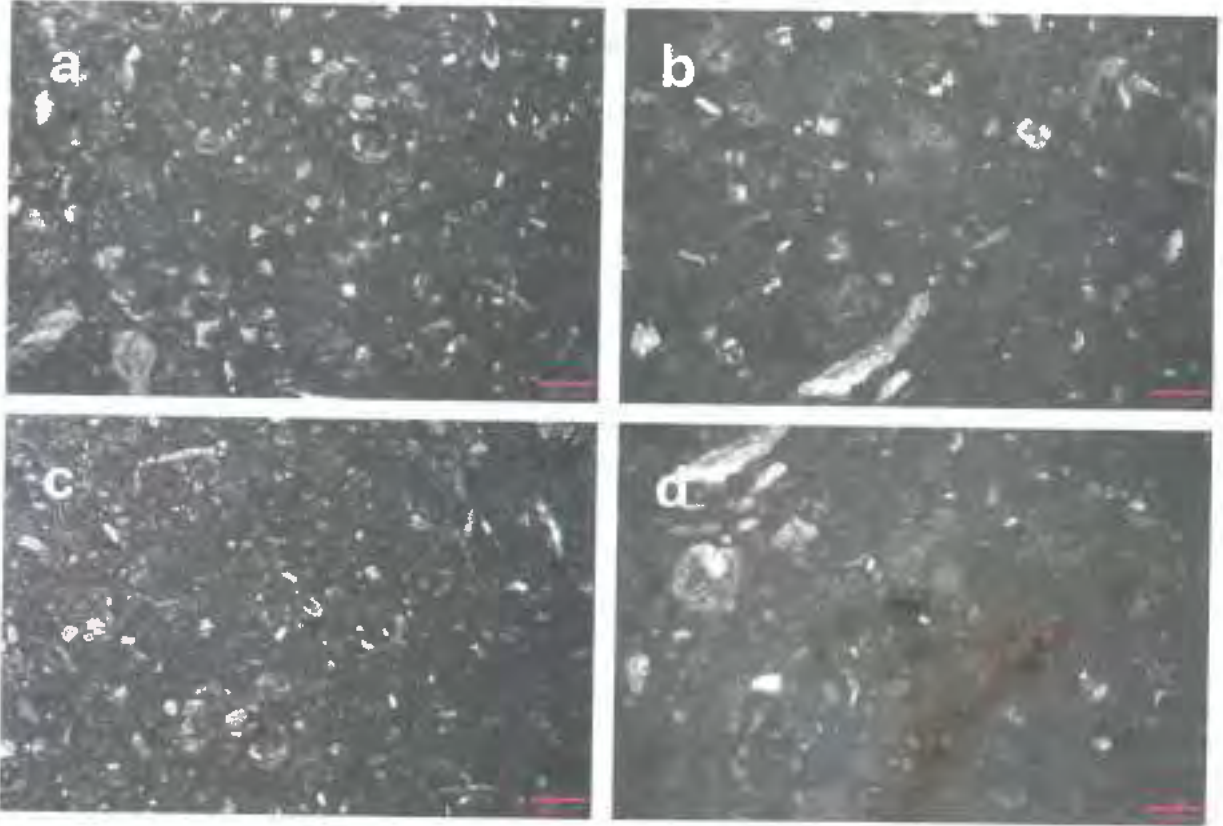
Ekstraklast (e), boyutları yer yer birkaç yüz µm'ye ulaşan, köşeli parçalar şeklindedir (Şekil 5a - d). Bollukları yüzde 3-5 civarındadır.

Mikrosparitik matrikste yer yer yoğun olmak üzere demirli mikritik boyamalar ile kılcak çatlaklar boyunca yoğun kahverengimsi demirli mikritler bulunur (Şekil 5a - d).

W

Kayaç Adı: Fosilli kireçtaşı

Örneğin Alizarin kırmızısı ile boyanması sonucunda %98'den fazlasının boyandığı tespit edilmiştir.



Şekil 5. 17535 nolu örneğine ait ince kesit fotoğrafları. Biyoklast içeren spartik dokunun, demiroksitli mikritik boyamaların ve ekstra klastiklerin görünümüne (a - d)



Örneğin Alizarin kırmızısı ile boyanması sonucunda tamamına yakınının boyandığı tespit edilmiştir.

SW