



14/05/2020

ALOA Universal Trading is in partnership with a several Turkish Cement factory competent and certified by European Standard quality, we export Cement by vessel in 50 kg bags into 1.5 MT Sling Bags (50 kg x 30 bags) or Big Bags of 1.5 MT, or in Bulk.

SPECIFICATIONS of TURKISH Cement 42,5 Portland

Grey Portland Cement for construction Grade CEM II 42.5 R or N
Turkish Origin by European Standard EURO STD - EN 197-1 or
British Standards BS12/96 or ASTM C150

Documentation to be established by a state certified SGS Inspection Company

Documents required:

Certificate of origin Phytosanitary Certificate

Weight and Quality Certificate Non radioactivity Certificate Fumigation Certificate

* ALOA Universal Trading www.aloatrading.com/turkish-cement-425/ 2014-2020 ALOA Trading ©



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Steel & Bulk	ÇİMENTO ANALİZLERİ RAPORU /	Tarih / Date
	CEMENT TEST RESULTS	24.08.2015
KYS-FR-KG-070		Yayın tarihi-rev. / Publish date/rev.: 07.08.2015/00

Çimento tipi / Type of Cement	Standart Numarası / Standard Number	Numune alma tarihi/ Date of Sampling	Rapor No / Report Number
CEM I 42,5 R	EN 197-1	26.07.2015	2015-5

Kimyasal Gereklilikler ve Mineralojik Kompozisyon (%) / Chemical Requirements and Mineralogical Composition (%)	Ortalama Analiz Sonuçları / Averaged Test Results	Tolerans / Tolerance	Standart Değeri / Value of Standard	Standart - Metot / Standard - Method
			EN 197-1'e göre / According to EN 197-1	
SiO ₂	19,95			TS EN 196-2 , XRF
Al ₂ O ₃	5,79			TS EN 196-2 , XRF
Fe ₂ O ₃	2,81			TS EN 196-2 , XRF
CaO	64,60			TS EN 196-2 , XRF
MgO	1,30		Max. 5,0 (%)	TS EN 196-2 , XRF
SO ₃	2,86			TS EN 196-2 , XRF
Na ₂ O	0,03			TS EN 196-2 , XRF
K ₂ O	0,65			TS EN 196-2 , XRF
Cl	-			TS EN 196-2
Kızdırma kaybı / Loss on Ignition (LOI)	1,93			TS EN 196-2
Na ₂ OEq. (Na ₂ O + 0,658 K ₂ O)	0,46			Hesaplama / Calculated
Serbest kireç / Free CaO	0,95			Amonyum asetat metodu / Ammonium acetate method
CaO/SiO ₂	3,24		Min. 2,0 (%)	Hesaplama / Calculated
Kireç doygunluk faktörü / Lime Saturation Factor (LSF)	100,13			Bogue Formülü / Formula
Silika modülü / Silica Modul (MS)	2,32			Bogue Formülü / Bogue Formula
Alümina modülü / Alumina Modul (MA)	2,06			Bogue Formülü / Formula
Trikalsiyum silikat / Tricalcium Silicate (C ₃ S)	56,43			Bogue Formülü / Bogue Formula
Dikalsiyum silikat / Dicalcium Silicate (C ₂ S)	14,65			Bogue Formülü / Formula
Trikalsiyum alüminat / Tricalcium Aluminate (C ₃ A)	10,59		Max. 5,0 (%)	Bogue Formülü / Bogue Formula
Tetra kalsiyum alümina ferrit / Tetracalcium Alumino Ferrite (C ₄ AF)	8,55			Bogue Formülü / Bogue Formula
2C ₃ A + C ₄ AF	29,73			Bogue Formülü / Formula
C ₃ S+C ₂ S	71,08		Min. 67,0 (%)	Hesaplama / Calculated

Fiziksel ve mekanik gereklilikler / Physical and Mechanical Requirements	Ortalama Analiz Sonuçları / Averaged Test Results	Tolerans / Tolerance	Standart Değeri / Value of Standard	Standart - Metot / Standard - Method
			EN 197-1'e göre / According to EN 197-1	
Özgül ağırlık / Specific Gravity (gr/cm ³)	3,00			TS EN 196-6
0,045mm elek üstü / Residue on 0,045 mm (%)	7,70			TS EN 196-6
Donma süresi / Setting Time	Donma başlangıcı / Initial (minute)	220		TS EN 196-3
Genleşme / Soundness (mm)	1,0			TS EN 196-3
Basınç dayanımı / Compressive Strength (MPa)	2 Günlük / 2 Days	22,30		TS EN 196-1
	7 Günlük / 7 Days	37,1		TS EN 196-1
	28 Günlük / 28 Days	52,7		TS EN 196-1

Kalite Güvence Müdürü
Quality Assurance Manager