

MAGNEZYUM STEARAT ANALİZ SERTİFİKASI

Product Name : Magnezyum Stearat (Magnesium Stearate)

Cas Number : 557-04-0

Molecular Formula : $C_{36}H_{70}MgO_4$

Appearance	A white very fine, light powder, greasy to the touch				Complies
Solubility	Practically insoluble in water and in ethanol				Complies
Chemical Analysis					
Properties	Method	Specification Values			Result
		Unit	Min.	Max.	
Identification					
Test A	EP	°C	53	---	54
Test B	USP	---	To comply with the test		Complies
Test C	USP	---	The retention time of the principal peak obtained in the in the chromatogram of the test solution approximately same as those of the principal peak obtained in the chromatogram with the reference solution		Complies
Acidity or Alkalinity	USP	ml	Not More than 0.05 ml of 0.1 M HCl or 0.1 M NaOH is required to change the colour of solution		0.04
Chloride	IH	ppm	---	100	< 100
Sulphate	USP	%	---	0.5	< 0.5
*Cadmium	ICP-MS	ppm	---	3.0	< 3
*Lead	ICP-MS	ppm	---	5.0	< 5
*Nickel	ICP-MS	ppm	---	5.0	< 5
Specific surface area	IH	m²/g	6	10.0	7.92
Magnesium content	IH	%	4.2	4.8	4.74
Free fatty acid	FCC	%	---	2.0	1.10
Residual Solvent	USP	---	Meet the requirement < 467		Complies
Heavy Metal as Lead	JP	ppm	---	20	< 20
Acid Value of the fatty acids	EP	mg KOH/g	195	210	204
Fatty Acid Composition The fatty acid fraction contains of stearic acid	EP	%	60.0	70.0	63.07
The sum of stearic acid & Palmitic acid	EP	%	95.0	100.0	99.76
Loss on drying	USP	%	---	4.0	3.55

Not: Bu belge üzerindeki spesifikasyonlar, üretici tarafından yapılan analiz sonuçlarındaki değerlerle bire bir aynıdır.