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SPECIFICATION

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MAGNESIUM OXIDE HEAVY USP FINE GRANULAR "KSC"

		Specification	Test method
Identification	-	Meets Requirements	USP
Physical Appearance	-	White to off white granular	Visual test
Assay (after ignition)	%	96.0-100.5	USP
Assay Mg (after ignition)	%	57.9-60.6	Calculation
Acid-insoluble substances	%	0.1 max	USP
Loss on ignition	%	10.0 max	USP
Iron	%	0.05 max	ICP-AES
Calcium	%	1.1 max	ICP-AES
Free alkali	mL	2.0max (0.10N-H ₂ SO ₄)	USP
Soluble salts	%	2.0 max	USP
Lead	ppm	0.5 max	ICP-MS
Arsenic	ppm	3.0 max	ICP-MS
Mercury	ppm	0.1 max	ICP-MS
Cadmium	ppm	2 max	ICP-MS
Bulk density (loose)	g/mL	-	Powder tester
(tapped)	g/mL	-	Powder tester
Particle size			
(through 100 Mesh)	%	-	Dry method
(on 20 Mesh)	%	-	Dry method

Q.C. group

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