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ULTRANANOTECH PVT. LTD.

Materials Beyond Imagination

B-205, Prime Blue Forest, Rajapallya, Hoodi, Bangalore - 560048

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TECHNICAL DATA SHEET

Product Name: Cerium Oxide

Sr.No:	Parameter	Specifications	Test Methods
1	Physical Appearance	Off White To Light Yellow Colour Powder	Visual as per reference standard sample
2	Total TREO	>98%	As per QC standard list
3	CeO ₂ /TREO (Mathematical)	>99%	BY ICP
4	Fluorides	<0.5%	NTD
5	Phosphates	<2.5%	NTD
6	D50	0.35-0.5 Micron	By Particle size Analyzer
7	D97	<3.0 Micron	By Particle size Analyzer
8	Tapped Density	1.7-1.9	80gm material tapping in 250ml glass cylinder
9	pH	For HPH 7.0-8.5/For LPH 6.2-6.7	By pH meter
10	Suspension	Yes	4gm in 100ml water
11	Odour	Odourless	Visual
12	Average stock removal	+/- 10% of std Validation	By Polishing trial



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