

HANGZHOU OCEAN CHEMICAL CO., LTD

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CERTIFICATE OF ANALYSIS

Product name	Neodymium Oxide
CAS NO	1313-97-9
Batch No	1601004
Structure	Nd ₂ O ₃
Quantity	1000kg
Report date	Jan 6 2016

Quality items	Standard	Results
Appearance:	Light Pink powder No visible impurities	Light Pink powder
Nd ₂ O ₃ /REO	≥99.90%	>99.9%
REO	≥99.00%	99.51%
Loss on ignition	≤0.5%	0.34%

Rare earth impurities / REO			
La ₂ O ₃	<100ppm	CeO ₂	<100ppm
Pr ₆ O ₁₁	780ppm	Er ₂ O ₃	<100ppm
Sm ₂ O ₃	<100ppm	Eu ₂ O ₃	<100ppm
Gd ₂ O ₃	<100ppm	Tb ₄ O ₇	<100ppm
Dy ₂ O ₃	<100ppm	Ho ₂ O ₃	<100ppm
Tm ₂ O ₃	<100ppm	Yb ₂ O ₃	<100ppm
Lu ₂ O ₃	<100ppm	Y ₂ O ₃	<100ppm
None Rare earth impurities			
Fe ₂ O ₃	<20ppm	SiO ₂	44ppm
CaO	55ppm	Cl-	<200ppm

Q.C.Director:

Analyst:

