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Certificate of Analysis

Product Description: Cesium Chloride, Optical Grade 99.99%
Catalog Number: 160041
Lot: MR30629**Formula:** CsCl
CAS #: 7647-17-8
Physical Description: White Powder**Formula Weight:** 168.37
Storage: Room Temperature, desiccate

Test	Specification	Result
Identity Test	Passes	Passes
Purity	99.99%	99.999%
OD260 nm (50% aq soln)	<0.02	<0.004
pH (1% aq soln)	5.5-6.5	5.6
Barium	≤10 ppm	<0.5 ppm
Magnesium	≤1 ppm	<0.1 ppm
Potassium	≤20 ppm	<0.5 ppm
Iron	≤1 ppm	<0.1 ppm
Calcium	≤10 ppm	0.4 ppm

Solubility (50% aq soln): Clear and Colorless

OD280 nm (50% aq): <0.004

Lithium (as Li): <0.2 mg/kg

Sodium (as Na): <0.1 mg/kg

Rubidium (as Rb): <0.5 mg/kg

Strontium (as Sr): <0.1 mg/kg

Aluminum (as Al): <0.1 mg/kg

Chromium (as Cr): <0.1 mg/kg

Manganese (as Mn): <0.1 mg/kg

Lead (as Pb): <1.0 mg/kg

SiO₂: <0.5 mg/kg

Sulfate: <5 mg/kg

H₂O-insoluble matter: <25 mg/kg

Christina Marotta

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