ThermoFisher
SCIENTIFIC

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek. Certificate Number. 2317548

Catalogue Number	21360
Lot Number	A0474065
Description	Cesium hydroxide,99.9%,(trace metal basis),for analysis, 50 wt% solution in water
CAS Number	21351-79-1
Quality Test/Release Date	08/Jul/2025
Suggested retest date	08/Jul/2027
Country of Origin	GERMANY
Declaration of Origin	synthetic
BSE/TSE	Not directly derived from or manufactured with any animal byproducts in any way (Including but not limited to fermentation or nutrient broth, catalysts, enzymes).

Result Name	Units	Specifications	Test Value
Appearance (Color)		Clear colorless	Clear colorless
Appearance (Form)		Solution	Solution
Titration with HCl	%	48 to 52 (as CsOH)	51.2 (as CsOH)
Trace analysis		Trace analysis values are on dry salt basis	Trace analysis values are on dry salt basis
Lithium (Li)	ppm	=<1	=<0.2
Sodium (Na)	ppm	=<100	26
Potassium (K)	ppm	=<200	12
Rubidium (Rb)	ppm	=<10	3
Magnesium (Mg)	ppm	=<1	=<0.1
Calcium (Ca)	ppm	=<2	0.5
Strontium (Sr)	ppm	=<5	2
Barium (Ba)	ppm	=<15	8
Aluminium (Al)	ppm	=<5	0.3
Iron (Fe)	ppm	=<1	=<0.2
Chromium (Cr)	ppm	=<1	0.2
Manganese (Mn)	ppm	=<1	=<0.1
Phosphorus pentoxide (P2O5)	ppm	=<5	=<0.5
Silicon dioxide (SiO2)	ppm	=<50	4
Sulfate (SO4)	ppm	=<25	17
Chloride (Cl)	ppm	=<100	47

Geert Torfs
Supervisor, QC

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.