

## Certificate of Analysis

Product Name:

**Cesium hydroxide 50% w/w aq. soln., 99.0% (Trace metals basis)**

Product No.: PSR40583  
Lot No.: Sample COA  
Brand: PureSynth  
CAS No.: 21351-79-1  
Molecular Formula: HC<sub>2</sub>O  
Molecular Weight: 149.91 g/mol  
Date of Mfg.: NA  
Date of Exp.: NA

Test	Specification	Result
Appearance	Colorless to Light Yellow Liquid	Colorless liquid
Titration by HCl (CsOH)	47.0 - 53.0 %	50.7 %
Assay (Cs <sub>2</sub> CO <sub>3</sub> )	NMT 2.5 %	0.40 %
Color (APHA)	NMT 300 APHA	< 10 APHA
Purity (99% Based On Trace Metals Analysis)	Complies	Complies
Trace Metal Analysis	NMT 15000.0 ppm	44.4 ppm
Barium (Ba)	-	3.3 ppm
Calcium (Ca)	-	0.4 ppm
Strontium (Sr)	-	0.1 ppm
Potassium (K)	-	5.9 ppm
Lithium (Li)	-	0.2 ppm
Sodium (Na)	-	9.8 ppm
Rubidium (Rb)	-	24.7 ppm

### Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at [www.pure-synth.com](http://www.pure-synth.com)

Inspect on receipt

### Storage Condition:

Store at room temperature and keep the container tightly closed

PureSynth Research Chemicals GmbH

*This is electronically-generated copy & is valid without a signature*

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.

For queries on this COA, please contact our technical team at [technical@pure-synth.com](mailto:technical@pure-synth.com)