

## Certificate of Analysis

Product Name:

**Potassium bromide for IR spectroscopy**

Product No.: PSR46506  
Lot No.: Sample COA  
Brand: PureSynth  
CAS No.: 7758-02-3  
Molecular Formula: KBr  
Molecular Weight: 119.0 g/mol  
Date of Mfg.: NA  
Date of Exp.: NA

| Test                                                          | Specification           | Result                  |
|---------------------------------------------------------------|-------------------------|-------------------------|
| Appearance                                                    | White crystalline solid | White crystalline solid |
| Assay                                                         | ≥ 99.0 %                | 99.60 %                 |
| Performance (for FT-IR spectroscopy)                          | Passes Test             | Passes Test             |
| Absorbance<br>(Water; 3775-3050/ 1760-1520 cm <sup>-1</sup> ) | ≤ 0.15                  | Complies                |
| Absorbance<br>(CH-compounds; 3050-2750 cm <sup>-1</sup> )     | ≤ 0.004                 | Complies                |
| Absorbance (other; 4000-400 cm <sup>-1</sup> )                | ≤ 0.020                 | Complies                |
| Particle Size (d10)                                           | ≤ 150 microns           | Complies                |
| Particle Size (d50)                                           | ≤ 250 microns           | Complies                |
| Particle Size (d90)                                           | ≤ 500 microns           | Complies                |

### 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)