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PureSynth®
Research Chemicals

# Product Specification

Product Name:
**Barium Sulfate Pur*Cert* Secondary Working Standard**
**[Includes all Characterization Data]**

| | |
|---|---|
| Product No.: | PSR43442 |
| Brand: | PureSynth |
| CAS No.: | 7727-43-7 |
| Molecular Formula: | $BaSO_4$ |
| Molecular Weight: | 233.39 g/mol |




| Test | Specification |
|---|---|
| Appearance | White Solid |
| Assay (By GC) | ≥ 98.0 % |
| Water (By KF) | NMT 0.5 % |
| Potency | - |
| Density | 4.998-4.502 g/cm³ |
| Identification by $^1$H NMR | Conforms to structure |
| Identification by Mass | Conforms to molecular mass |
| Identification by IR | Conforms to structure |

***Traceable to Internal Reference Standard**

Specification: PC-1.0-QA/319 Version no.:1.1,15.04.2026

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For queries on this Specifications, please contact our technical team at technical@pure-synth.com