

PRODUCT SPECIFICATION

Product name: **Cesium lead bromide – γ -CsPbBr₃**

Product number: **CsPbBr₃-S**

Form: Powder

Description: High-quality all-inorganic 3D perovskite manufactured with the solid-state solvent-free method. A direct bandgap of ~ 2.3 eV is suitable for application in flexible and tandem light-harvesting devices, light-emission diodes, and photodetectors. Synthesized, packed, and stored under inert gas.

Properties	Specification / value
Appearance	Orange powder
Purity [%]	99.9% (trace metal basis)*
Band-gap [eV]	~ 2.3
Molecular weight [g/mol]	579.82
Solubility	Polar aprotic solvents (e.g., DMF, DMSO, GBL)
Storage conditions	Suitable for RT storage
	Store under inert gas in dark Hygroscopic
Shelf life	6 months

PACKAGING

Catalogue number	Quantity
CsPbBr₃-S-2	2g
CsPbBr₃-S-5	5g
CsPbBr₃-S-10	10g

PRODUCT INTENDED FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

*The quality and phase-purity of the final product is determined with PXRD and UV-VIS-NIR techniques