

PRODUCT SPECIFICATION

Product name: **Methylammonium lead bromide – α -MAPbBr₃**

Product number: **MAPbBr₃ – S**

Form: Powder

Description: High-quality 3D hybrid perovskite manufactured with the solvent-free solid-state method with a direct band gap of ~ 2.3 eV. 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]	478.98
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 month

PACKAGING

Catalogue number	Quantity
MAPbBr₃ – S – 2	2 g
MAPbBr₃ – S – 5	5 g
MAPbBr₃ – S – 10	10 g

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