

PRODUCT SPECIFICATION

Product name: **Methylammonium lead iodide - β -MAPbI₃**

Product number: **MAPbI₃ - S**

Form: Powder

Description: High-quality 3D hybrid perovskite manufactured with the solvent-free solid-state method. Due to the unique band-gap (~ 1.5 eV), it's especially suitable for application in flexible and tandem light-harvesting devices, but also light-emission diodes and photodetectors. Synthesized, packed, and stored under inert gas.

Properties	Specification / value
Appearance	Black powder
Purity [%]	99.99% (trace metal basis) *
Band-gap [eV]	~ 1.5
Molecular weight [g/mol]	619.98
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 months

PACKAGING

Catalogue number	Quantity
MAPbI ₃ - S - 2	2 g
MAPbI ₃ - S - 5	5 g
MAPbI ₃ - 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