

**PRODUCT SPECIFICATION**

Product name: **Methylammonium lead iodide –  $\beta$ -MAPbI<sub>3</sub>**  
 Product number: **MAPbI<sub>3</sub> – 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.

<b>Properties</b>	<b>Specification / value</b>
Appearance	Black powder
Purity [%]	99.9% (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 month

**PACKAGING**

<b>Catalogue number</b>	<b>Quantity</b>
<b>MAPbI<sub>3</sub> – S – 500</b>	<b>500 mg</b>
<b>MAPbI<sub>3</sub> – S – 2</b>	<b>2 g</b>

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