

PRODUCT SPECIFICATION

Product name: **Methylammonium lead bromide – α -MAPbCl₃**

Product number: **MAPbCl₃ – S**

Form: Powder

Description: High-quality all-inorganic 3D perovskite manufactured with the solid-state solvent-free method. A direct bandgap of ~ 3.0 eV is suitable for application in light-harvesting devices, light-emission diodes, selective photodetectors, and as a host material for doping with transition metals. Synthesized, packed, and stored under inert gas.

| Properties | Specification / value |
|--------------------------|--|
| Appearance | White powder |
| Purity [%] | 99.99% (trace metal basis)* |
| Band-gap [eV] | ~ 3.0 |
| Molecular weight [g/mol] | 345,62 |
| Storage conditions | Suitable for RT storage |
| | Store under inert gas in dark Hygroscopic |
| Shelf life | 6 months |

PACKAGING

| Catalogue number | Quantity |
|------------------------------------|-----------------|
| MAPbCl₃ – S – 2 | 2 g |
| MAPbCl₃ – S – 5 | 5 g |
| MAPbCl₃ – 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

