

PRODUCT SPECIFICATION

Product name: **Guanidinium lead iodide – GuaPbI₃**
 Product number: **GuaPbI₃ – S**
 Form: Powder
 Description: High-quality hybrid perovskite manufactured with the solvent-free solid-state method. A direct band gap of ~ 2.9 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	Pale yellow powder
Purity [%]	98% (trace metal basis)*
Band-gap [eV]	~ 2.9
Molecular weight [g/mol]	647.99
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
GuaPbI₃ – S – 500	500 mg
GuaPbI₃ – S – 2	2 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