

PRODUCT SPECIFICATION

Product name: **Cesium lead chloride – γ -CsPbCl₃**

Product number: **CsPbCl₃-S**

Form: Powder

Description: High-quality all-inorganic 3D perovskite manufactured with the solid-state solvent-free method. A direct bandgap of ~ 2.9 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 [%]	99.9% (trace metal basis)*
Band-gap [eV]	~ 2,9
Molecular weight [g/mol]	446,46
Storage conditions	Suitable for RT storage
	Store under inert gas in dark
Shelf life	Hygroscopic
	6 months

PACKAGING

Catalogue number	Quantity
CsPbCl₃ – S – 2	2 g
CsPbCl₃ – S – 5	5 g
CsPbCl₃ – 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

