



TECHNICAL DATA SHEET

1. Product Identification

Product Name: Copper Hydrogen Phosphate
Chemical Name: Copper(II) Hydrogen Phosphate
CAS No.: 13587-24-1
Molecular Formula: CuHPO_4
Molecular Weight: 159.51 g/mol
Grade: Industrial / Chemical Grade
Appearance: Blue to blue-green powder

2. Product Description

Copper Hydrogen Phosphate is an inorganic copper salt composed of copper and hydrogen phosphate ions. It is commonly used as an intermediate or functional material in various industrial and chemical applications where copper and phosphate functionality is required.

3. Chemical & Physical Properties

Property	Typical Value
Appearance	Blue to blue-green powder
Molecular Formula	CuHPO_4
Molecular Weight	159.51 g/mol
Solubility	Slightly soluble in water
Stability	Stable under normal conditions
Chemical Class	Inorganic copper compound

4. Typical Specifications

Parameter	Specification
Copper (Cu) Content	$\geq 39.0 \%$
Moisture	$\leq 1.0 \%$
Insoluble Matter	$\leq 0.5 \%$
Heavy Metals (as Pb)	$\leq 20 \text{ ppm}$

Detailed batch-specific results are provided in the corresponding COA.

5. Applications

Industrial chemical manufacturing

Inorganic synthesis intermediate

Pigment and material-related applications

Chemical research and development

Other industrial uses where copper phosphate compounds are required

6. Packaging & Storage

Packaging: 25 kg fiber drum or woven bag with inner liner (or as agreed)

Storage Conditions:

Store in a cool and dry place

Keep container tightly closed

Avoid moisture and contamination

Shelf Life: 24 months under recommended storage conditions

7. Regulatory Status

Intended for industrial use only

Not approved for food, feed, pharmaceutical, or medical applications

COA, MSDS, and TDS are available upon request or free download