

Cuprous Oxide Nanoparticles CONP11

Description:

Colloidal cuprous oxide nanoparticles are produced with concentrations of 1000, and 2000 ppm and functionalized with PVP.

Characterization	
CAS	1317-39-1
Stock No.	CONP111 CONP112
Molecular formula	Cu ₂ O
Molecular weight (g/mol)	143.09
Form	Water base colloid
Color	Orange
Concentration (mg/mL)	1 2
Functional group	PVP
Morphology	Nearly spherical
Crystal structure	SC
Size range (>95%, nm)	50-100
Total impurity (%)	N/A

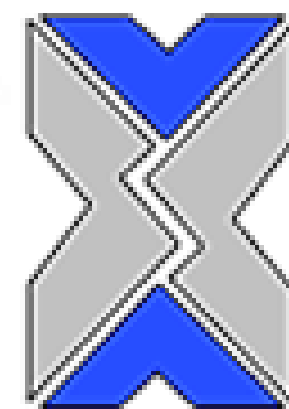


Image of cuprous oxide nanocolloid (CONP11)

Note: product specifications are subject to amendment and may change over time.

Safety:

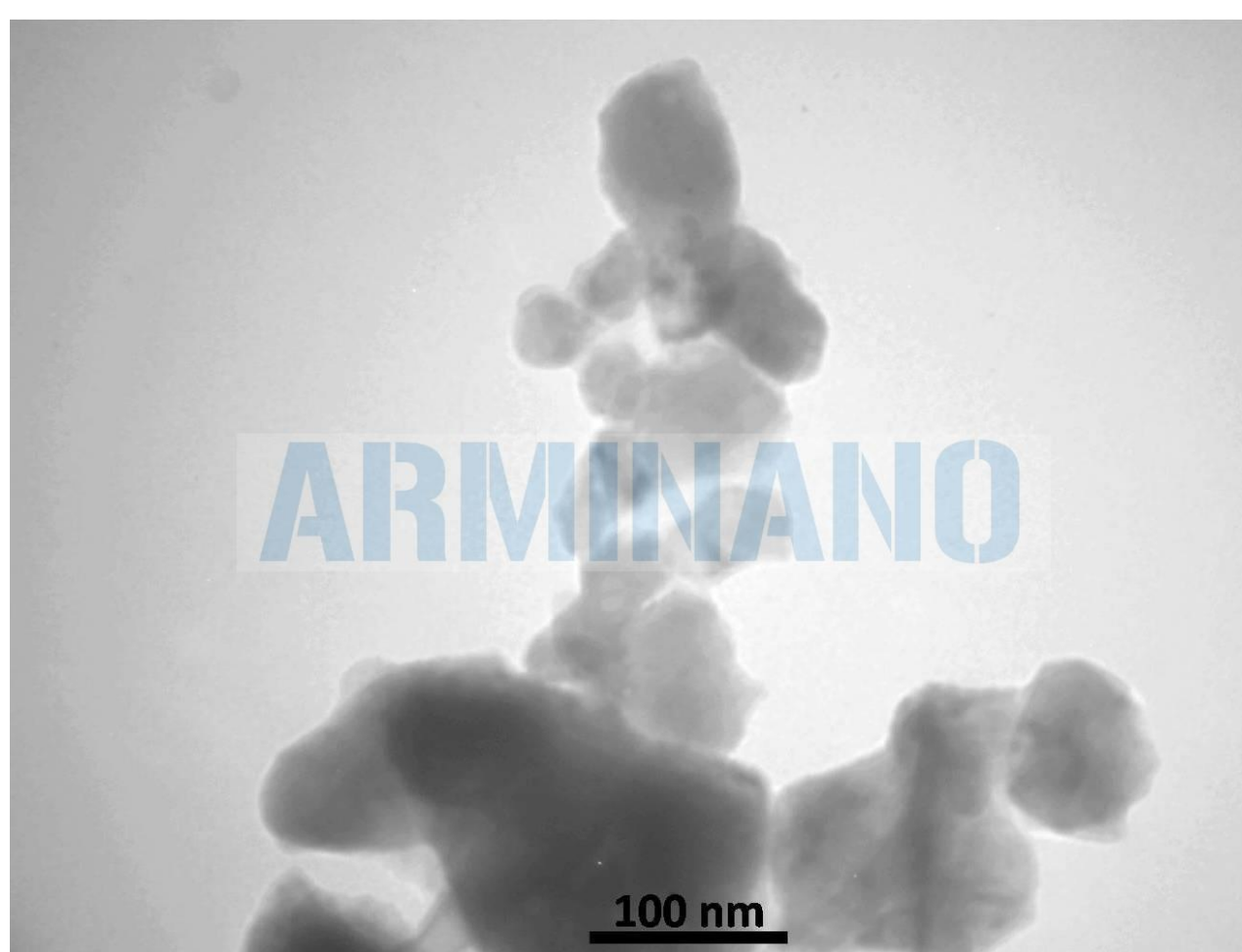
Always use protective gloves and safety glasses.
Wash with soap and water after exposure.
Do not expose to extreme heat or flame.
Refer to MSDS prior to handling this material.



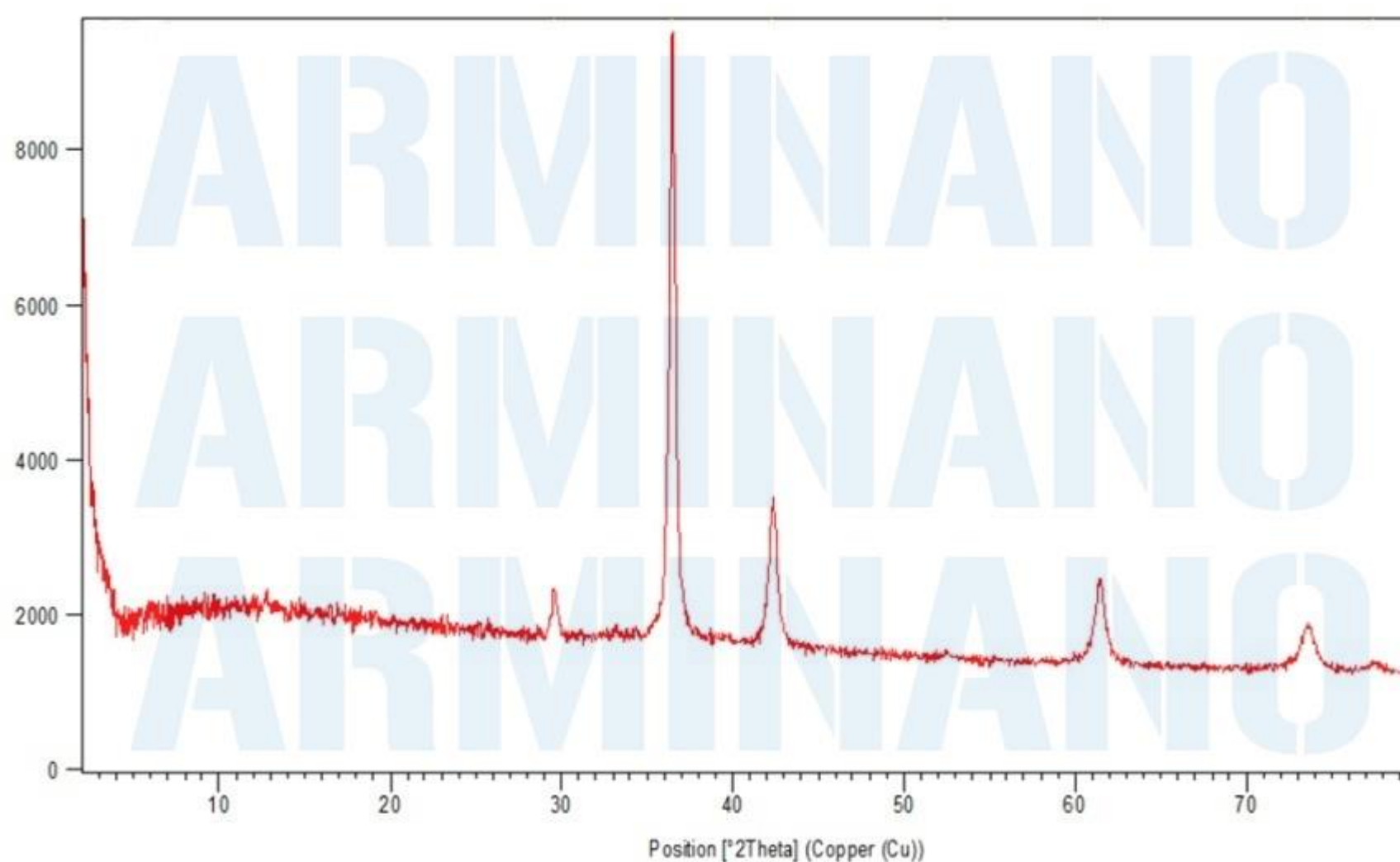
Cuprous Oxide Nanoparticles CONP11



SEM image of CONP11



TEM image of CONP11



XRD pattern of CONP11

Storage:

- Keep it in cool dry place.
- Avoid direct sunlight.
- Do not freeze.
- To disperse sedimented nanoparticles sonication could be used.

Shelf life:

When stored as specified the product is stable for at least 6 months.