

975– COBALT (II) ACETATE (TETRAHYDRATE), EXTRA PURE

REF NO: TBL/QA/SS/LC/975	STANDARD SPECIFICATION FOR COBALT (II) ACETATE (TETRAHYDRATE),EXTRA PURE	Rev. No: 03
Issue No: 04		Review Date: 08/11/2024
Issue Date: 09/11/2021		Product code: 975

PRODUCT PROPERTIES

C.A.S Number	6147-53-1
Chemical Formula	$\text{Co}(\text{CH}_3\text{COO})_4 \cdot 4\text{H}_2\text{O}$
Formula weight	249.08
Functional Uses	It is used as a cobalt source in the synthesis of cobalt nanoparticles and cobalt oxide thin films. It may also be used to prepare cobalt(II)-aminophenyltetrazolate coordination polymer and tricobalt complexes with mixed μ -acetato and μ -pyrazolato ligands.
Standard Packaging	100 gm. and 500 gm.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Reddish pink crystalline powder.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Chloride (Cl)	NMT – 0.002%
Iron (Fe)	NMT – 0.001%
Lead (Pb)	NMT – 0.001%
Assay	NLT – 99.0%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

