

## 2514– AMMONIUM CITRATE DIBASIC

Ref No: TBL/QA/SS/LC/2514	<b>STANDARD SPECIFICATION FOR AMMONIUM CITRATE DIBASIC</b>	Rev. No: 03
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Issue Date: 02/11/2021		Product code: 2514

### PRODUCT PROPERTIES

<b>C.A.S Number</b>	3012-65-5
<b>Chemical Formula</b>	$C_6H_{14}N_2O_7$
<b>Formula weight</b>	226.19
<b>Functional Uses</b>	Ammonium citrate dibasic can be used as both carbon and nitrogen precursor to synthesize nitrogen-doped fluorescent carbon nanoparticles (CNPs) for the development of sensitive and selective sensors for picric acid detection. Solution form of ammonium citrate can also be used in leaching experiments to extract copper nanoparticles from waste printed circuit boards (WPCBs), also used as laboratory reagent.
<b>Standard Packaging</b>	500 gm

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White color crystalline powder.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (0.1M Soln. 25°C)	4.0 – 5.5
Chloride (Cl)	NMT – 0.0005%
Lead (Pb)	NMT – 0.0005%
Assay	NLT – 99.0%

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

