

## 551– AMMONIUM DICHROMATE EXTRA PURE

Ref No: TBL/QA/SS/LC/551	<b>STANDARD SPECIFICATION FOR AMMONIUM DICHROMATE EXTRA PURE</b>	Rev. No: 03
Issue No: 04		Review Date: 01/11/2024
Issue Date: 02/11/2021		Product code: 551

### PRODUCT PROPERTIES

<b>C.A.S Number</b>	7789-09-5
<b>Chemical Formula</b>	$(\text{NH}_4)_2\text{Cr}_2\text{O}_7$
<b>Formula weight</b>	252.07
<b>Functional Uses</b>	<p>Ammonium dichromate may be used in the following processes:</p> <ul style="list-style-type: none"> <li>• Oxidation of alcohols in the presence of <math>\text{Mg}(\text{HSO}_4)_2</math> (magnesium hydrogen sulfate) and wet <math>\text{SiO}_2</math> (silicon dioxide).</li> <li>• Preparation of <math>\text{Cr}_2\text{O}_3/\text{Al}_2\text{O}_3</math> (chromium (III) oxide/aluminium oxide) catalysts.</li> <li>• Oxidative coupling of thiols.</li> </ul>
<b>Standard Packaging</b>	500 gm

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Orange color crystalline powder.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH	3.0 – 4.0
Chloride (Cl)	NMT – 0.02%
Sulphate ( $\text{SO}_4$ )	NMT – 0.01%
Iron (Fe)	NMT – 0.002%
Assay	NLT – 97.0%

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

