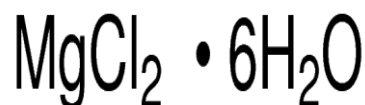


**Department: Quality Control**
**Document No: LCPL/QSD/QAD/11**
**SOP No.: SOP/QC/11-M003**
**SPECIFICATION : MAGNESIUM CHLORIDE HEXAHYDRATE AR**

<b>Issue date</b>	16/04/2018	<b>Review date</b>	15/04/2023	<b>Location</b>	<b>All Units</b>
<b>Version No.:</b>	00	<b>Supersedes</b>	--	<b>Page No</b>	1 of 1

**PRODUCT DETAILS**

1	Molecular Formula	MgCl <sub>2</sub> .6H <sub>2</sub> O
2	Product code	M002
3	Molecular weight	Z003
4	CAS No	7791-18-6
5	Risk Statement No	--
6	Safety Statement No	24/25
7	UN No.	--


**PACKING DETAILS**

	Product code	Pack size
1	M00210	500 g
2	M00213	5.0 Kg

**PRODUCT SPECIFICATION**

SL. No.	TEST PARAMETERS	LIMITS
1	Description	Colourless hygroscopic crystals or crystalline powder.
2	Clarity	10% solution in water is clear and colourless.
3	Assay	Not less than 99.0%
4	pH range	Between 5.0 and 6.5
5	Water insoluble matter	Not more than 0.003%
6	Alcohol insoluble matter	Passes test
7	Acidity	Not more than 0.001%
8	Alkalinity	Not more than 0.0005%
9	Nitrogen compounds	Not more than 0.001%
10	Sulphate (SO <sub>4</sub> )	Not more than 0.002%
11	Phosphate (PO <sub>4</sub> )	Not more than 0.0002%
12	Arsenic (As)	Not more than 0.0001%
13	Barium & Strontium (as Ba)	Not more than 0.0001%
14	Calcium (Ca)	Not more than 0.01%
15	Heavy metals (as Pb)	Not more than 0.0002%
16	Iron (Fe)	Not more than 0.0002%
17	Manganese (Mn)	Not more than 0.0005%
18	Potassium (K)	Not more than 0.001%
19	Sodium (Na)	Not more than 0.001%
20	Zinc (Zn)	Not more than 0.0025%

**SAFETY SYMBOLS**