

**THE CHEMICAL BROTHERS GROUP**

**Specifications: Magnesium Chloride Hexahydrate**

Formula: MgCl<sub>2</sub>\*6H<sub>2</sub>O

CAS: 7791-18-6

Date of Mfg.: 1<sup>st</sup> April 2024

SPECIFICATIONS	MINIMUM		MAXIMUM	
Appearance	White to off White		White to off White	
Magnesium Chloride (MgCl <sub>2</sub> 6h <sub>2</sub> O) - Percent by Mass	98		99.22	
Magnesium Chloride (MgCl <sub>2</sub> ) - Percent by Mass	46.5		47.25	
Matter Insoluble in Water	0.30		0.35	
Sulphur - Percent by Mass	0.4		0.5	
MgSO <sub>4</sub> - Percent by Mass	0.5		1.5	
Calcium as Ca - Percent by Mass	0.01		<0.02	
Irons Fe, PPM	10		<30	
Heavy Metals as Pb, PPM	<1.0		<2.0	
Boron as B, PPM	<29.562		<50.0	
Nickel, PPM	<5.0		<10.0	
Arsenic, PPM	NIL		NIL	
Acidity as HCl – Percent by Mass	Passes Test		Passes Test	
Alkali Chloride as NaCl - Percent by Mass	<0.5		<1.0	
Potassium- Percent by Mass	<0.3		<0.5	
Ammonium Salts as N	<0.005		<0.006	
Al Content – PPM	52	0.0052%	54	0.0054%
Ca Content – PPM	45	0.0045%	49	0.0049%
Cr Content – PPM	26	0.0026%	31	0.0031%
Fe Content – PPM	75	0.0075%	81	0.0081%
Ni Content – PPM	24	0.0024%	29	0.0029%
Si Content – PPM	40	0.0040%	45	0.0045%
Zr Content – PPM	500	0.05%	950	0.095%
Lead asPb Content – PPM	2.94	0.000249%	3.22	0.000322%

**\*End of Report\*\***