

5086– CALCIUM SULPHATE (DIHYDRATE),(FOOD GRADE)

REF NO: TBL/QA/SS/LC/5086	STANDARD SPECIFICATION FOR CALCIUM SULPHATE (DIHYDRATE),(FOOD GRADE)	Rev. No: 03
Issue No: 04		Review Date: 07/11/2024
Issue Date: 08/11/2021		Product code: 5086

PRODUCT PROPERTIES

C.A.S Number	10101-41-4
Chemical Formula	CaSO ₄ .2H ₂ O
Formula weight	172.17
Functional Uses	Calcium Sulphate Dihydrate is used as food additives.
Standard Packaging	50 Kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White or almost white fine powder.
Solubility	Very slightly soluble in water, practically insoluble in ethanol (96%)

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Fluoride (F)	NMT – 0.003%
Selenium (Se)	NMT – 0.003%
Chloride (Cl)	NMT – 300 ppm
Iron (Fe)	NMT – 100 ppm
Arsenic (As)	NMT – 10 ppm
Heavy metals	NMT – 10 ppm
Residue on Ignition (700°C)	NLT – 77.0 %
Free Alkalinity (as Ca(OH) ₂ % by Mass)	Absent
Free Acid (as H ₂ SO ₄)	NMT – 0.006%
Matter insoluble in dilute HCl	NMT – 0.02%
Lead (Pb)	NMT – 2 ppm
Assay	NLT – 98.0%

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

