

5118 –MONO CALCIUM PHOSPHATE (MONOBASIC) (MCP) (FOOD GRADE)

REF NO: TBL/QA/SS/F/5118	STANDARD SPECIFICATION FOR MONO CALCIUM PHOSPHATE (MONOBASIC)(MCP) (FOOD GRADE)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date:07/02/2022		Product code: 5118

PRODUCT PROPERTIES

C.A.S Number	7758-23-8
Chemical Formula	$\text{Ca}(\text{H}_2\text{PO}_4)_2$
Formula weight	234.05
Functional Uses	Mono Calcium Phosphate is used as buffering agent, firming agent, sequestrant, leavening agent, dough conditioner, texturizer, yeast food, and nutrient
Standard Packaging	25 kg.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Hygroscopic white crystals or granules, or granular powder
Solubility	Sparingly soluble in water, insoluble in ethanol
Test for calcium	Passes test
Test for phosphate	Passes test

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Loss on ignition (800°C, 30 min)	14.0% – 15.5%
Fluoride	NMT – 50 mg/kg
Arsenic	NMT – 3 mg/kg
Lead	NMT – 4 mg/kg
Assay (Ca)	16.8% - 18.3%

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

