



## SPECIFICATION MONOCALCIUM PHOSPHATE (MCP) FEED GRADE

**Edition:** FEBRUARY 2018

**CAS No.:**7758-23-8

**Appearance:** Light-grey, fine-grained flowing powder

Parameters	Unit	Specification/Limits
Fraction of total phosphorus (in terms of P)	%	22.7 min.
Fraction of total phosphorus soluble, % of total phosphorus:		
- in 2-% citric acid	%	95 min.
- in water	%	75 min.
Fraction of total calcium	%	16 min.
Fraction of total fluoride	%	0.2 max.
Fraction of total arsenic mass	ppm	10 max.
Fraction of total lead mass	ppm	15 max.
Fraction of total cadmium	ppm	10 max.
Fraction of total mercury	ppm	0.1 max.
Fraction of total moisture mass, (at t 105°C for 3 hours)	%	4.0 max.
Fraction of total insoluble in HCl	%	2.0 max.
Hydrogen ion activity index (1% solution)	pH	3.5 min. – 4.5 max.
Particle size:		
> 2 mm	%	0
0.2 mm – 2.0 mm	%	90 min.
< 0.2 mm	%	10 max.
Dioxin	ng	0.75 max.
Sum of dioxins and dioxin-like PCB	ng	1.0 max.
Dioxin-like PCBs	ng	0.35 max.
Non-dioxin-like PCBs	µg/kg	10 max.
Radioactivity:		
Sum of Cs-134 and Cs-137	Bq/kg	40 max.