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## CERTIFICATE OF ANALYSIS

KLA2022/132\_vs2

9.11.2022

## Food Grade Calcium Chloride 77

Sample number: 113-2022-00006072

Date of sample approval: 1.11.2022

Date of manufacturing: 26.10.2022

Description: CC Food Flake 77K

Batchno Lot: 229

Calcium chloride (E509) complies with EC 2012/231 and FCC 13th edition. The expiry date of the product is two years after the date of manufacturing. The lot number is made up of the three first digits in the nine digit number printed on the bag.

Analysis	Result	Unit	Min	Max	Method of analysis
CaCl <sub>2</sub>	78	%	77	81	EDTA-titration
Dihydrate CaCl <sub>2</sub> *2H <sub>2</sub> O	103	%	99	107	Calculation
pH 5% CaCl <sub>2</sub> -solution	10,5		9	11	Wet chemistry/pH
Mg and alkali salts	1,9	%		4,0	Calculation
Insoluble in water	0,03	%		0,20	Gravimetric
Ca(OH) <sub>2</sub> alkalinity	0,10	%		0,15	Wet chemistry/titrat
F	15	mg/kg		40	Ionselective electro
Na	0,61	%			ICP-OES*
Mg	36	mg/kg			ICP-OES*
Fe	2	mg/kg		5	ICP-OES*
Heavy metals as Pb	<20	mg/kg		20	Wet chemistry/FCC-me
Pb	1	mg/kg		2	ICP-MS*
As	<1	mg/kg		1	ICP-MS*
Hg	<0,5	mg/kg		0,5	ICP-MS*
Sieve <6,3 mm	98,8	%			Sieve analysis
Sieve <4,0 mm	88,8	%			Sieve analysis
Sieve <2,0 mm	14,2	%			Sieve analysis
Sieve <1,0 mm	2,5	%			Sieve analysis
Residual mass as H <sub>2</sub> O	21	%			Calculation