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Certificate of Analysis

Product	Calcipur 2 - OG	Manufacture Date	2025-01-27
Lot Number	CAL225051B	Release Date	2025-03-20
Packaging	Bag	Expiry Date	2028-01

Chemical name: Calcium Carbonate

Result Name	Test Method	Unit	Result	Specification	
				Min	Max
Physical Testing					
Brightness Ry	DIN 53163 Datacolor SOP REU_FR_LTM_035	%	91.1	88.5	94.5
Brightness CIELAB L*	ISO 11664-4, REU_FR_LTM_035		96.4	95.2	97.2
CIELAB a* (green/red)	ISO 11664-4, REU_FR_LTM_035		0.45	0.25	0.65
CIELAB b* (blue/yellow)	ISO 11664-4, REU_FR_LTM_035		3.0	2.2	4.2
Particle Size Distribution <2µm	Laser Granulometry, LTM_010	%	32	26	40
Residue > 45 µm (325 Mesh)	ISO 787/7 SOP REU_FR_LTM_022	%	0.00		0.01
Residue > 75 µm (200 Mesh)	ISO 787/7 SOP REU_FR_LTM_022	%	0.00		0.00
Chemical Testing					
Character (white powder)	CO/MO 144 - 8.10		WhitePowder	WhitePowder	
Solubility in water	CO/MO 144 - 8.2		Practically Insoluble	Practically Insoluble	
Solubility in alcohol	CO/MO 144 - 8.3		Practically Insoluble	Practically Insoluble	
Identification of carbonates	CO/MO 144 - 8.4		Positive	Positive	
Identification of calcium	CO/MO 144 - 8.5		Positive	Positive	
Assay, % CaCO3	CO/MO 144 - 8.15	%	100	98.0	
Loss on Drying	CO/MO 144 - 8.6	%	0.0		2.0
Acid Insoluble content	CO/MO 144 - 8.16	%	0.0		0.2
Free Alkali	CO/MO 144 - 8.13	%	<0.05		0.05
Magnesium and Alkali Salts	CO/MO 144 - 8.14	%	1		1
Fluoride	CM/MO 061	ppm	15		50
Sb + Cu + Cr + Zn + Ba	ICP-MS, CM/MO 021	ppm	<45		100
Arsenic (As)	ICP-MS, CM/MO 021	ppm	<0.5		1
Lead (Pb)	ICP-MS, CM/MO 021	ppm	<0.2		1
Cadmium (Cd)	ICP-MS, CM/MO 021	ppm	<0.2		1
Mercury (Hg)	ICP-MS, CM/MO 021	ppm	<0.1		0.2
Propylene glycol rate	GC/FID	%	0.09		0.20

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Result Name	Test Method	Unit	Result	Specification	
				Min	Max
Microbiological Testing					
Aeromesophilic bacteria	ISO 4833-2 (XP V08-034)	cfu/g	<50		1000
Yeast & Moulds	ISO 7954 (NF V08-059)	cfu/g	<10		100
Escherichia coli	ISO 16649-2	cfu/g	Absence	Absence	
Pseudomonas aeruginosa	ISO 13720	cfu/g	Absence	Absence	
Staphylococcus aureus	ISO 6888-2	cfu/g	Absence	Absence	
Enterobacteria	ISO 21528-2 (NF V08-054)	Cfu/10g	Absence	Absence	
Salmonella	ISO 6579 (AES-10/4 -05/04)	cfu/25g	Absence	Absence	

Electronically Reviewed By	Electronically Approved By
Bounet Stéphane	CHANCHEVRIER Cindy

March 20, 2025