



Ciech
Soda Deutschland

CERTIFICATE OF ANALYSIS

Date:	07.07.2023
Inspection lot:	100000036446

Product: Sodium hydrogen carbonate pharmaceutical quality Standard (NK) 25-kg-paper valve bags (2 L + 1 F) on CP2-ISPM 15-pallet 800 x 1.200 shrunk with foil 1,200 t (net) per pallet by truck / container

Batch No:	1000001179	Delivery size:	12.000	TO
Date of manufacture:	30.06.2023	Delivery note:	80027168	
Date of analysis:	03.07.2023	Loading date:	07.07.2023	
Expiration date:	29.06.2025	Package type:	B25	
Order No:	30017219			
Contract number:	20001039			
Customer-Material-No:	PO201049985			

No	Quality Parameters	Unit	Method	Frequency	Specification	Result
1	Bulk density	kg/m3	PA-PQ-121/122	PER BATCH	950 - 1200	1169
2	Sodium bicarbonate content (NaHCO ₃)	%	PA-PQ-122	DAILY	99,00 - 101,00	100,33
3	Normal carbonate	N/A	PA-PQ-122	DAILY	N/A	Acceptance
4	Water-insoluble components	N/A	PA-PQ-122	DAILY	N/A	Acceptance
5	Loss on Drying	%	PA-PQ-122	MONTHLY	≤ 0,25	0,01
6	pH value determination	N/A	PA-PQ-122	MONTHLY	≤ 8,60	8,24
7	Ammonium content (NH ₄)	mg/kg	PA-PQ-122	MONTHLY	≤ 20,00	0,05
8	Arsenic content (As)	mg/kg	PA-PQ-103	MONTHLY	≤ 2,00	1,00
9	Calcium content (Ca)	mg/kg	PA-PQ-122	DAILY	≤ 100,0	89,0
10	Magnesium content (Mg)	mg/kg	PA-PQ-103	MONTHLY	≤ 40,00	2,99
11	Aluminium content (Al)	mg/kg	PA-PQ-103	MONTHLY	≤ 2,0	0,2
12	Iron content (Fe)	mg/kg	PA-PQ-103	MONTHLY	≤ 5,00	0,24
13	Chloride content (Cl)	mg/kg	PA-PQ-122	MONTHLY	≤ 150	6
14	Sulphate content (SO ₄)	mg/kg	PA-PQ-122	MONTHLY	≤ 150	20



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15	Copper content (Cu)	mg/kg	PA-PQ-103	MONTHLY	≤ 1,00	0,10
16	Grain size < 0,500 mm	%	PA-PQ-121	PER BATCH	95,0 - 100,0	99,8
17	Grain size < 0,315 mm	%	PA-PQ-121	PER BATCH	90,0 - 100,0	95,6
18	Grain size < 0,200 mm	%	PA-PQ-121	PER BATCH	70,0 - 95,0	82,1
19	Grain size < 0,100 mm	%	PA-PQ-121	PER BATCH	25,0 - 65,0	44,9
20	Identification C	N/A	PH.EUR. 2.3.1 A	PER BATCH	N/A	Acceptance
21	Appearance of the solution	N/A	PA-PQ-121	DAILY	N/A	Acceptance

Date of release: 2023-07-06

Quality Control

Quality Assurance

The document was created electronically and does not require a signature