



Ciech
Soda Deutschland

CERTIFICATE OF ANALYSIS

Date: 10.03.2023
Inspection lot: 100000024793

Client/Adress:

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: 1000000373 Delivery size: 12.000 TO
Date of manufacture: 18.02.2023 Delivery note: 80018067
Date of analysis: 19.02.2023 Loading date: 10.03.2023
Expiration date: 17.02.2025 Package type: B25
Order No:
Contract number:
Customer-Material-No:

No	Quality Parameters	Unit	Method	Frequency	Specification	Result
1	Bulk density	kg/m3	PA-PQ-121/122	PER BATCH	950 - 1200	1097
2	Sodium bicarbonate content (NaHCO ₃)	%	PA-PQ-122	DAILY	99,00 - 101,00	100,26
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	8,51
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	45,8
10	Magnesium content (Mg)	mg/kg	PA-PQ-103	MONTHLY	≤ 40,00	2,30
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	0,33
13	Chloride content (Cl)	mg/kg	PA-PQ-122	MONTHLY	≤ 150	5
14	Sulphate content (SO ₄)	mg/kg	PA-PQ-122	MONTHLY	≤ 150	20



Ciech
Soda Deutschland

CERTIFICATE OF ANALYSIS

Date: 10.03.2023
Inspection lot: 100000024793

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: 1000000373 Delivery size: 12.000 TO
Date of manufacture: 18.02.2023 Delivery note: 80018067
Date of analysis: 19.02.2023 Loading date: 10.03.2023
Expiration date: 17.02.2025 Package type: B25
Order No:
Contract number:
Customer-Material-No:

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	99,9
17	Grain size < 0,315 mm	%	PA-PQ-121	PER BATCH	90,0 - 100,0	97,9
18	Grain size < 0,200 mm	%	PA-PQ-121	PER BATCH	70,0 - 95,0	88,5
19	Grain size < 0,100 mm	%	PA-PQ-121	PER BATCH	25,0 - 65,0	51,6
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: 2023-02-20

Quality Control

Quality Assurance

The document was created electronically and does not require a signature