



Novabay Pte Ltd
20 Tembusu Avenue
627536 SINGAPORE

UPC CORPORATION LTD
34-GIL, 3F HANA BUILDING, 32 NONHYEON-RO
06296 GANGNAM-GU, SEOUL
SOUTH KOREA

Manufacturing plant

Novabay Pte Ltd
20 Tembusu Avenue
627536 Singapore

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Certificate of analysis

Print Date January 10, 2023

PO Number	Item	Date
UPC06-23001		December 7, 2022
Delivery Number	Item	Date
80671773	900001	January 19, 2023
Order Number	Item	Date
338863	000010	December 8, 2022
Customer Number		
4975		
Truck Number	Seal number	

Material
Our reference 431907 Sodium Bicarbonate Korea Food F bg 1.05T
Your Reference

Note: (*) Yearly analysis
Below specification complies to USP

Batch 1000018102
Manufacturing date December 24, 2022
Best Before Date December 23, 2024
Quantity 21 TO
Inspection Lot 040000156266

Characteristic	Unit	Value	Lower Limit	Upper Limit
Description/Appearance Method: EP/JP/CP		Complies	-	-
Whiteness Test Method: In-House		97	85	-
Solubility Method: EP/JP/CP		Complies	-	-
Clarity/Appearance of Soln/Insol Subs Method: EP/JP/CP/USP		Complies	-	-
5% solution pH Method: JP/In-house		7.9	7.9	8.4
Loss on Drying Method: USP	%	0.02	-	0.25
Na ₂ CO ₃ Method: In-House	%	0.2	-	1.0
Chloride (Cl) Method: In-House	ppm	48	-	200
Ammonium (NH ₄) Method: In-House	ppm	< 10	-	20
Arsenic (As) Method: In-House	ppm	< 2.00	-	2.00

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Lead (Pb)	ppm	< 2.00	-	2.00
Method: In-House				
Iron (Fe)	ppm	< 5.00	-	5.00
Method: In-House				
Copper (Cu)	ppm	< 1.00	-	1.00
Method: In-House				
Aluminum (Al)	ppm	< 2.00	-	2.00
Method: In-House				
(*) Cadmium (Cd)	ppm	< 0.10	-	0.20
Method: USP				
(*) Mercury (Hg)	ppm	< 0.10	-	0.30
Method: USP				
Heavy metals	ppm	< 5.00	-	5.00
Method: USP				
Assay (NaHCO ₃) - As is Basis	%	100.1	99.5	100.5
Method: In-House				
Bulk density	g/mL	1.13	0.90	-
Method: In-House				
Cumul retained >250µm	%	1.26	-	5.00
Method: In-House				
Cumul retained >50µm	%	92.40	70.00	-
Method: In-House				

Batch release on : January 5, 2023

Person responsible for batch release : Jewelle CASTRO