

**RanQ Remedies Pvt. Ltd.**

Marketing Office : Ganatra Complex, 112, Next to Punjani Estate, Khopat, Thane (W) 400 601 (INDIA) Tel:022-25477261/62  
 Factory:D-14, Kurkumbh MIDC, Pune 413802, Taluka-Daund, Maharashtra, INDIA Tel: 02117-235016, 17, 19

**CERTIFICATE OF ANALYSIS**

Name of the Product	: Microcrystalline Cellulose	Q.C.Cert. No.	: K028/2023
Batch No.	: K0280123	Grade	: RQ-102
Batch Size	: 5500.0Kg	Dispatch Qty	:3500.0kg
Mfg. Date	: JAN-2023	Exp. Date	: DEC-2027
No. of containers sampled	: 22	Sample tested as per	: <b>USP 43</b>
Sample tested as per	: <b>USP 43</b>	Sampled by	: DUDHE
Sampling Date	: 27/01/2023	Analysis Date	: 27/01/2023
Customer Name:	: <b>Noblaze Dubai</b>	Released Date	: 27/01/2023

S.N	TEST	LIMIT	RESULTS
1	Appearance	A white or almost white, It consist of free flowing ,non fibrous particles,	Complies
2	Solubility	Practically insoluble in water in dilute acids and in most of organic solvents practically insoluble in sodium hydroxide solution ( 1in 20)	Practically insoluble in water in dilute acids and in most of organic solvents practically insoluble in sodium hydroxide solution(1in 20)
3	Identification		
	(A)Infra red absorption Spectrophotometry	As per USP-NF	Complies
	(B) By Chemical test	The substance become violet blue	A violet blue colour is obtained
	(C) Degree of Polymerization	NMT 350	226
4	pH	5.0 to 7.5	6.1
5	Conductivity	NMT 75 µS/cm	36.7 µS/cm
6	Water Soluble Substances	NMT 0.25% w/w.	0.12 % w/w
7	Loss on Drying	NMT 7.0 % w/w.	3.7 % w/w
8	Residue On Ignition	NMT 0.1 % w/w.	0.02 % w/w
9	Ether Soluble Substances	NMT 0.05 % w/w.	0.02 % w/w
10	Bulk Density	Untapped Bulk Density Should be 0.26–0.36 gm/ml	0.28 gm/ml
		Tapped Bulk Density Should be 0.35 – 0.50 gm/ml	0.43 gm/ml
11	Particle Size Retained on 60 mesh Retained on 200 mesh	Less than 8.0% w/w More than 45.0 % w/w	2.2 % w/w 56.5 % w/w

Remark : **Sample complies as per USP 43**

Date : 27/01/2023

FDA LIC NO. : MH/101337



Analyzed By : *Psd*  
27/01/23

Checked By : *Net*  
27/01/23

Approved By : *Adham*  
27/01/23