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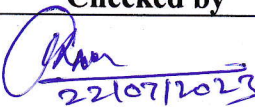

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CERTIFICATE OF ANALYSIS

Name of The Product	Iron (III) Hydroxide Polysaccharide Complex.		Page 1 of 1
Batch No./Lot No	PIC/B231021	Batch Size	500.198 Kg
Manufacturing Date	July – 2023.	Expiry Date	June – 2026.
A.R. No.	23FG0820	Date of Analysis complete	21/07/2023.

S.R No	Test parameter	Specification	Observed value
1.0	Description	Brown to black coloured fine free flowing spray dried powder.	Complies.
2.0	Identification:		
2.1	Iron (III) Bound	To be present.	Complies.
2.2	Ferric ions	Not more than 0.5 % w/w.	Complies.
3.0	Solubility (5 % w/v.)	Soluble in water. Insoluble in organic solvent.	Complies.
4.0	Free alkali	pH not more than 7.5 at 27°C	2.31 at 27°C
5.0	pH (5 % w/v. solution)	9.00 – 11.00 at 27°C	9.53 at 27°C
6.0	Loss on drying	Not more than 8.00 % w/w.	2.90 % w/w.
7.0	Assay (as Total elemental iron)	42.00 – 48.00 % w/w.	44.32 % w/w.
8.0	Sodium chloride	Not more than 3.50 % w/w.	1.94 % w/w.
9.0	Arsenic	Not more than 3 ppm.	<0.0005 ppm.
	Mercury	Not more than 3 ppm.	<0.0005 ppm.
	Lead	Not more than 25 ppm.	2.442 Ppm.
	Cadmium	Not more than 25 ppm.	<0.0005 ppm.
	Copper	Not more than 60 ppm.	<0.0005 ppm.
	Zinc	Not more than 150 ppm.	67.948 ppm.
10.0	Particle Size		
	Retained on 100 Sieve	Not more than 1.00 % w/w.	0.00 % w/w.
	Retained on 200 Sieve	Not more than 10.00 % w/w.	2.20 % w/w.
	Retained on 325 Sieve	Not more than 30.00 % w/w.	9.21 % w/w.
11.0	Total aerobic microbial count	Not more than 1000 CFU /gm.	170 CFU/gm.
12.0	Total combined yeast and mould count	Not more than 100 CFU /gm.	<10 CFU/gm.
13.0	Enterobacteriaceae count	Not more than 10 CFU /gm.	<10 CFU/gm.
14.0	Pathogen		
14.1	E. coli.	To be absent.	Absent.
14.2	S. typhi	To be absent.	Absent.
14.3	S. aureus	To be absent.	Absent.
14.4	P. aeruginosa	To be absent.	Absent.

Remarks: The sample complies/ ~~does not comply~~ with respect to above test as per In house Specification.

Prepared By	Checked by	Approved by
 22/07/2023 Mr. A. A. Marathe QC Analyst	 22/07/2023 Mr. G. D. Kshirsagar. QC Manager	 22/07/2023 Dr. R. B. Ingle QA Manager