

MODERN DAIRIES LTD.

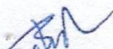
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MDL/LP/24-25/D/146

CERTIFICATE OF ANALYSIS - LACTOSE MONOHYDRATE (IP/BP/USP)

Destination : Devson Impex Pvt Ltd- Bhiwandi
 QTY : 200+200=400 Bags
 Date of despatch : 19.4.2024

Date of Production			Mar-24	Mar-24
Date of Expiry			Feb-27	Feb-27
Batch No.			24ADLP2058	24ADLP2059
S.No.	PHYSICAL CHARACTERISTICS	SPECIFICATION	VALUE	VALUE
1	Appearance	White or almost white powder, odourless	White	White
2	Appearance of solution	The solution is clear and not more than intensely coloured than reference solution ByS7(method II)	Complies	Complies
3	Solubility	Freely but slowly soluble in water, practically insoluble in ethanol(95%)	Complies	Complies
4	Taste	Sl.Sweet	Sl.Sweet
5	Odour	Should comply with IP	Odourless	Odourless
6	Particle Size (200#)	Passing Should be 80% min.	Passing Should be 80% min.	Passing Should be 80% min.
7	Bulk Density(g/ml)	0.67	0.67
CHEMICAL COMPOSITION				
8	Moisture(%)	4.5-5.5 Max.	4.93	4.87
9	pH (10% Solution)	5.08	4.88
10	Acidity(NMT 0.4 ml(0.1M NaOH/6g))	NMT 0.4 ml(0.1M NaOH/6g)	0.20	0.20
11	Sulphated Ash(%)	0.1 Max.	0.087	0.087
12	Scorched Particle(ADPI)DISC	A	A	A
13	Heavy Metal	Not more than 5 ppm	Complies	Complies
14	Arsenic	Not more than 1 ppm	Complies	Complies
15	Identification-A,B,C,D	Complies	Complies	Complies
16	Specific Rotation	+54.4° to +55.9°	+54.8°	+54.9°
17	Loss on Drying	0.5 Max.	0.18	0.17
18	LIGHT ABSORPTION ANALYSIS			
	210nm-220nm(1%)	0.25 NMT	0.036	0.049
	270nm-300nm(1%)	0.07 NMT	0.011	0.012
	400nm(10%)	0.04 NMT	0.009	0.004
BACTERIOLOGICAL CHARACTERISTICS				
19	Total Plate Count cfu/g	100 Max.	40	40
20	Coliform/0.1g	Absent	Negative	Negative
21	E.Coli/g	Absent	Absent	Absent
22	Salmonella/10g	Absent	Absent	Absent
23	Shigella/10g	Absent	Absent	Absent
24	Staphylococcus aureus/g	Absent	Absent	Absent
25	Listeria Monocytogenus/g	Absent	Absent	Absent
26	Yeast & Moulds/g	50 Max.	10	10


 ANALYST


 MANAGER (Q.A.)

The material covered by this delivery is produced in accordance with MDL manufacturing specifications currently in force for this product. MDL certifies that the material supplied has been monitored in accordance with the internal quality control routines employed in our company. However, the buyers must check the suitability of this product for the actual application. This certificate does not release the recipient from his obligation to carry out his usual incoming goods checks.