



MAKIN LABORATORIES PVT. LTD.
Plot no. 48, sector-III, Pithampur, Dist. Dhar-454774 (M.P.)
QUALITY CONTROL DEPARTMENT

TITLE :- CERTIFICATE OF ANALYSIS –FINISHED PRODUCT

Name of product	Nihri Syrup	A.R. No.	FPA2300439
Date of Receipt	18/10/2023	Batch Size	6000 Bottles
Batch No.	ALI23247	Sample Qty	04x100 ml
Mfg. Date	10/2023	Exp. Date	09/2026
Date of Release	31/10/2023	Page No.	1 of 1

Sr. No	Test parameter	Observation	Specification
1.	Description	Brown colored, viscous flavored syrup filled in amber colored pet bottles and sealed with aluminum caps.	Brown colored, viscous flavored syrup filled in amber colored pet bottles and sealed with aluminum caps.
2.	Weight per ml	1.0486 g/ml	Between 1.000 to 1.300 g/ml.
3.	pH	6.02	Between 3.50 to 6.50.
4.	Filled volume	101 ml	Not less than 100 ml.
5.	Polyphenols (As Tannins)	0.048 %	Not less than 0.02 %.
6.	Identifications		
6.1	For Alkaloids	An orange precipitate is formed.	An orange precipitate or opalescence should be formed.
6.2	For Glycosides	An olive-red color is produced within 1 hour.	An olive -red to yellowish color should be produced within 1 hour.
6.3	For Phenolic compounds	Gelatinous cloudy precipitate is produced.	Gelatinous cloudy precipitate should be produced.
6.4	Identification by TLC	Complies	The chromatographic profile of the test solution should be similar to that of the standard solution.
7.	Heavy metals		
7.1	Arsenic	Less than 3.0 ppm	Not more than 3.0 ppm.
7.2	Cadmium	Less than 0.30 ppm	Not more than 0.30 ppm.
7.3	Lead	Less than 10.0 ppm	Not more than 10.0 ppm.
7.4	Mercury	Less than 1.0 ppm	Not more than 1.0 ppm.
8.	Microbial Contamination		
8.1	Total aerobic viable count	20 CFU/ ml	Not more than 10 ⁵ CFU/ml.
8.2	Total fungi count	Nil	Not more than 10 ⁴ CFU/ml.
8.3	E. coli	Absent /ml	Should be absent /ml.
8.4	Salmonella	Absent /10 ml	Should be absent /10 ml.
8.5	Pseudomonas aeruginosa	Absent /ml	Should be absent/ml.
8.6	Staphylococcus aureus	Absent /ml	Should be absent /ml.

NOTE: Sample **complies** / **does not comply** as per our in house specification.

M. S.
31/10/2023
Prepared by / date

Vij
31/10/2023
Checked by / date

[Signature]
31/10/2023
Approved by / date