

Approval No : DTL- 01/A & U



ARBRO™
PHARMACEUTICALS PRIVATE LIMITED
Analytical Division



ISO 9001 : 2015 Certified & Govt. Approved Test House
4/9, Kirti Nagar Industrial Area, New Delhi - 110015 (INDIA)
Phone : +91 11-45754575, Email : arbrolab@arbropharma.com, Website : www.testing-lab.com

ULR - TC737523100031125

CERTIFICATE OF ANALYSIS

Report No. : 202311300127

Sample : JAGGERY POWDER
Mfg. By : NS
Supplied By : NS
Submitted By : HBMK GLOBAL PVT.LTD.
Address : PLOT NO 4 SECTOR 6A SIDCUL, HARIDWAR, UTTARAKHAND- 249403 INDIA

Recd On : 30/11/2023
Mfg lic. No. : NS
Ref. No. : NS,DATE: 27/11/2023

| Batch No | Mfg. Date | Expiry Date | Batch Size | Sample Quantity |
|----------|-----------|-------------|------------|-----------------|
| NP23026 | 11/2023 | 10/2025 | NS | 1X100 gm |

| Sample ID | Date of start of analysis | Date of completion of analysis |
|--------------|---------------------------|--------------------------------|
| 202311300127 | 30/11/2023 | 08/12/2023 |

Reference to protocol :- API & APL/MIS-6427

| <Parameters> | <Results> | <LLOQ> | <Lower limit> | <Upper limit> | <Method> |
|--|-------------------------------|--------------|---------------|---------------|-------------------------------|
| Appearance | :- Light brown colour powder. | - | - | - | Visual |
| Metal analysis : | | | | | |
| Lead (as Pb) | :- Below Quantification Limit | 0.20 ppm | - | 10.0 ppm | APL/CHE/STP-112 |
| Cadmium (as Cd) | :- Below Quantification Limit | 0.20 ppm | - | 0.30 ppm | APL/CHE/STP-112 |
| Mercury (as Hg) | :- Below Quantification Limit | 0.20 ppm | - | 1.0 ppm | APL/CHE/STP-112 |
| Arsenic (as As) | :- Below Quantification Limit | 0.20 ppm | - | 3.0 ppm | APL/CHE/STP-112 |
| Pesticide residue: | | | | | |
| Dithiocarbamates (expressed as CS ₂) | :- Below Quantification Limit | 0.010 mg/kg | - | 2.0 mg/kg | APL/CHE/STP-134 (BY GC-MS/MS) |
| Alachlor | :- Below Quantification Limit | 0.0050 mg/kg | - | 0.020 mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Ethion | :- Below Quantification Limit | 0.0050 mg/kg | - | 2.0 mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Chlorpyrifos | :- Below Quantification Limit | 0.0050 mg/kg | - | 0.20 mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Methyl Parathion | :- Below Quantification Limit | 0.0050 mg/kg | - | 0.20 mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Lindane (Gamma -HCH) | :- Below Quantification Limit | 0.0050 mg/kg | - | 0.60 mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Azinophos - methyl | :- Below Quantification Limit | 0.0050 mg/kg | - | 1.0 mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Bromopropylate | :- Below Quantification Limit | 0.0050 mg/kg | - | 3.0 mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Chlorpyrifos-methyl | :- Below Quantification Limit | 0.0050 mg/kg | - | 0.10 mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Deltamethrin | :- Below Quantification Limit | 0.0050 mg/kg | - | 0.50 mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Diazinon | :- Below Quantification Limit | 0.0050 mg/kg | - | 0.50 mg/kg | APL/CHE/STP-061 (by GC-MS) |

Authorized Signatory Biological
AMIT SHAKYA
MICROBIOLOGIST

Authorized Signatory Chemical
PUSHPENDRA KUMAR
Date :- 08/12/2023

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Batch No NP23026 Mfg. Date 11/2023 Expiry Date 10/2025 Batch Size NS Sample Quantity 1X100 gm

Sample ID 202311300127 Date of start of analysis 30/11/2023 Date of completion of analysis 08/12/2023

Reference to protocol

:- API & APL/MIS-6427

| Reference to protocol | Result | Limit | Unit | Method |
|--|-------------------------------|--------|-------|----------------------------|
| Dichlorvos | :- Below Quantification Limit | 0.0050 | mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Endrin | :- Below Quantification Limit | 0.0050 | mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Fonofos | :- Below Quantification Limit | 0.0050 | mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Methidathion | :- Below Quantification Limit | 0.0050 | mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Parathion | :- Below Quantification Limit | 0.0050 | mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Permethrin | :- Below Quantification Limit | 0.0050 | mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Pirimiphos-methyl | :- Below Quantification Limit | 0.0050 | mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Fenitrothion | :- Below Quantification Limit | 0.0050 | mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Piperonyl-butoxide | :- Below Quantification Limit | 0.0050 | mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Endosulfan (Alpha, Beta & Sulphate) | :- Below Quantification Limit | 0.0050 | mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Hexachlorobenzene (HCB) | :- Below Quantification Limit | 0.0050 | mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Chlorfenvinphos | :- Below Quantification Limit | 0.0050 | mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Fenvalerate | :- Below Quantification Limit | 0.0050 | mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Aldrin and dieldrin (sum of) | :- Below Quantification Limit | 0.0050 | mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Chlordane(sum of cis-,trans-and Oxychlordane) | :- Below Quantification Limit | 0.0050 | mg/kg | APL/CHE/STP-061 (by GC-MS) |
| DDT(sum of p,p-DDT o,p-DDT, p,p DDE, p,p TDE) | :- Below Quantification Limit | 0.0050 | mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Hexachlorocyclohexane Isomers (other than Gamma) | :- Below Quantification Limit | 0.0050 | mg/kg | APL/CHE/STP-061 (by GC-MS) |

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AMIT SHAKTA
MICROBIOLOGIST

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PUSHPENDRA KUMAR
Asstt. Manager

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| Sample ID | Date of start of analysis | Date of completion of analysis |
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| 202311300127 | 30/11/2023 | 08/12/2023 |

Reference to protocol

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| | | | | | |
|---|-------------------------------|-----------------|---|-------------|-------------------------------|
| Quintozene (sum of quintozene, pentachloraniline, and methyl pentachlorophenyl sulfide) | :- Below Quantification Limit | 0.0050 mg/kg | - | 1.0 mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Cypermethrin (sum of isomers). | :- Below Quantification Limit | 0.0050 mg/kg | - | 1.0 mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Heptachlor(Sum of Heptachlor & Heptachlor-epoxide) | :- Below Quantification Limit | 0.0050 mg/kg | - | 0.050 mg/kg | APL/CHE/STP-061 (by GC-MS) |
| Pyrethrins (sum of) | :- Below Quantification Limit | 0.0050 mg/kg | - | 3.0 mg/kg | APL/CHE/STP-063(by LC-MS) |
| Malathion | :- Below Quantification Limit | 0.0050 mg/kg | - | 1.0 mg/kg | APL/CHE/STP-063(by LC-MS) |
| Phosalone | :- Below Quantification Limit | 0.0050 mg/kg | - | 0.10 mg/kg | APL/CHE/STP-063(by LC-MS) |
| Microbial analysis : | | | | | |
| Total aerobic bacterial count, cfu/g | : 790 | - | - | 10000.0 | API |
| Total yeast & mould count,cfu/g | :- Less than 10 | - | - | 100.0 | API |
| S.aureus/g | :- Absent | - | - | - | API |
| E.coli/g | :- Absent | - | - | - | API |
| Salmonella/ g | :- Absent | - | - | - | API |
| P.aeruginosa/g | :- Absent | - | - | - | API |

End of Report

Report : CUSTOMER ASKED FOR THE ABOVE TESTS ONLY.

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AMIT SHAKYA
MICROBIOLOGIST

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PUSHPENDRA KUMAR
Date : Friday, Dec 08, 2023
Asstt. Manager

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| Sample ID | 202311300127 | Date of start of analysis | 30/11/2023 | Date of completion of analysis | 08/12/2023 |
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Reference to protocol

:- API & APL/MIS-6427



To verify Report Scan this Code.



***Terms & Conditions:**

- (1) Total liability of this laboratory is limited to the invoice amount.
- (2) Sample not drawn by the laboratory, unless specified. The results apply to the samples as received.
- (3) The results listed refer only to the tested sample and applicable parameter. Endorsement of products is neither inferred nor implied.
- (4) This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of Law and should not be used in any advertising media without our special Permission on writing.

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| <Parameters> | <Results> | <LLOQ> | <Lower limit> | <Upper limit> | <Method> |
|------------------------------------|-------------------------------|--------------|---------------|---------------|--------------------------------|
| Odour | :- No off odour. | - | - | - | Organoleptic |
| Taste | :- Characteristics. | - | - | - | Organoleptic |
| Colour | :- Light brown. | - | - | - | By Visual |
| Sulphur dioxide | :- 2.61 mg/kg | - | - | - | IS:15279,2003,RA-2018 |
| Moisture | :- 3.50 % w/w | - | - | 7.0 % w/w | IS:15279:2003 (RA 2018) |
| Reducing Sugar | :- 20.46 % w/w | - | 20.0 % w/w | - | IS:15279, CLAUSE-7 |
| Acid insoluble ash | :- 0.013 % w/w | - | - | 1.0 % w/w | IS 6287:1985 (RA 2020) |
| Sulphated Ash | :- 2.47 % w/w | - | - | 8.0 % w/w | IS 6287:1985 (RA 2020) |
| SUGAR PROFILE (by HPLC-RI): | | | | | |
| Sucrose. | :- 80.64 % w/w | - | 70.0 % w/w | - | AOAC 982.14 |
| Water insoluble matter | :- Nil | - | - | 1.0 % w/w | IS:1699:1995 Clause-7(RA 2020) |
| MYCOTOXINS : | | | | | |
| Total Aflatoxins | :- Below Quantification Limit | 0.250 mcg/Kg | - | 5.0 mcg/Kg | APL/CHE/STP-058 (by HPLC-FLD) |
| Aflatoxin B1 | :- Below Quantification Limit | 0.250 mcg/Kg | - | 2.0 mcg/Kg | APL/CHE/STP-058 (by HPLC-FLD) |
| Aflatoxin B2 | :- Below Quantification Limit | 0.250 mcg/Kg | - | - | APL/CHE/STP-058 (by HPLC-FLD) |
| Aflatoxin G2 | :- Below Quantification Limit | 0.250 mcg/Kg | - | - | APL/CHE/STP-058 (by HPLC-FLD) |
| Aflatoxin G1 | :- Below Quantification Limit | 0.250 mcg/Kg | - | - | APL/CHE/STP-058 (by HPLC-FLD) |

End of Report

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