

**Naturaltein LNG Pvt. Ltd.**

**Warehouse No.2, Sr No. 54, Badhe Nagar  
Kondhwa Budruk-411048, Maharashtra**



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## ANALYTICAL REPORT

Sample code :EKA1-24-02-03690

Sample Name: Nutraceutical - Whey Protein Concentrate - Chocolate Flavour (NWPCC)

Sample quantity: 300g

Sample Appearance:Brown Color Powder

Condition on receipt: Good

Sample packing: Sealed Aluminium Pack

Environmental Condition: Not Applicable

Customer provided details: Batch No : NWPCC 241001 | Mfg : Jan 2023 | Exp : Dec 2024 |  
Manufacturer Name: Saipro Industries Pvt. Ltd |  
Address:Gat No.286-287 A/P - Kasaramboli Tal -  
Mulshi Dist - Pune. 412115. Maharashtra | FSSAI  
Licence No : 11521998000128

Received On: 15/02/2024

Analysed between: 16/02/2024 to 21/02/2024

Sampling Details: Not Sampled By Eureka

Sampling Procedure: Not Applicable

Sampling date: Not Applicable

Sampling Location: Not Applicable

Job File Reference: Not Applicable

Seal No: Not Applicable

### Test Results

| Sr.No             | Test Code | Test Parameter               | Test Method                          | Result              | Unit      | LOQ | LIMITS            |
|-------------------|-----------|------------------------------|--------------------------------------|---------------------|-----------|-----|-------------------|
| <b>BIOLOGICAL</b> |           |                              |                                      |                     |           |     |                   |
| 1                 | E1MI591   | Total plate count            | ISO 4833 (Part 01):2013, Amd.-1:2022 | 1.5x10 <sup>2</sup> | cfu/g     | -   | 1x10 <sup>5</sup> |
| 2                 | E1MI04    | <i>Escherichia coli</i>      | ISO 16649-2:2001                     | <10                 | Cfu /g    | -   | -                 |
| 3                 | E1MI248   | <i>Yeast and Mold</i>        | ISO 21527 (Part-1):2008              | <10                 | Cfu /g    | -   | 1x10 <sup>3</sup> |
| 4                 | E1MI08    | <i>Coliforms</i>             | ISO 4832-2006                        | <10                 | Cfu /g    | -   | -                 |
| 5                 | E1MI21    | <i>Salmonella spp</i>        | ISO 6579-1:2017 Amd 2020.            | Absent              | /25g      | -   | Absent            |
| 6                 | E1MI17    | <i>Staphylococcus aureus</i> | ISO 6888 (Part 01) : 2021            | <10                 | Cfu /g    | -   | -                 |
| <b>CHEMICAL</b>   |           |                              |                                      |                     |           |     |                   |
| 7                 | E1NI1780  | Cholesterol                  | AOAC 21st edition 994.10             | 142.65              | mg/100g   | 1.0 | -                 |
| 8                 | E1NI826   | Dietary Fiber                | AOAC 21st edition 985.29: 2019       | <0.5                | g/100 g   | 0.5 | -                 |
| 9                 | E1NI1779  | Trans fat                    | AOAC 21st edition 996.06             | <0.1                | g/100 g   | 0.1 | -                 |
| 10                | E1NI1773  | Carbohydrates                | EKA-CHE-SOP-40                       | 17.13               | g/100 g   | 0.1 | -                 |
| 11                | E1NI833   | Protein (as is)              | IS 7219: 1973                        | 70.2                | g/100 g   | 0.1 | -                 |
| 12                | E1NI5053  | Total Sugars                 | AOAC21st edition945.66               | 3.08                | g/100 g   | 0.5 | -                 |
| 13                | E1NI1771  | Energy                       | EKA-CHE-SOP-40                       | 394.48              | Kcal/100g | -   | -                 |
| 14                | E1NI814   | Added Sugars                 | IS 6287                              | <0.5                | g/100 g   | 0.5 | -                 |
| 15                | E1NI3476  | Fat                          | AOAC21st edition 922.06:2019         | 5.10                | g/100 g   | 0.1 | -                 |

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|                   |         |   |                              |       |         |      |          |
|-------------------|---------|---|------------------------------|-------|---------|------|----------|
| 16                | -       | Of Which Saturates (Saturated Fat)          | AOAC21st edition 922.06:2019 | 3.05  | g/100 g | 0.1  | -        |
| <b>INORGANIC</b>  |         |   |                              |       |         |      |          |
| 17                | E1III75 | Sodium                                      | EKA-CHE-SOP-47               | 135.9 | mg/100g | 1.0  | -        |
| 18                | E1II75  | Arsenic as As                               | EKA-CHE-SOP-47               | BLQ   | mg/kg   | 0.05 | Max 1.1  |
| 19                | E1II25  | Lead as Pb                                  | EKA-CHE-SOP-47               | BLQ   | mg/kg   | 0.05 | Max 2.5  |
| 20                | E1II76  | Cadmium as Cd                               | EKA-CHE-SOP-47               | 0.029 | mg/kg   | 0.01 | Max 1.5  |
| 21                | E1II87  | Mercury as Hg                               | EKA-CHE-SOP-47               | BLQ   | mg/kg   | 0.01 | Max 1.0  |
| 22                | E1II87  | Methyl Mercury as Hg                        | EKA-CHE-SOP-102              | BLQ   | mg/kg   | 0.05 | Max 0.25 |
| 23                | E1III97 | Copper as Cu                                | EKA-CHE-SOP-47               | 3.951 | mg/kg   | 0.5  | Max 30.0 |
| <b>PESTICIDES</b> |         |   |                              |       |         |      |          |
| 24                | -       | Dithiocarbamates as CS2 (Mancozeb, Metiram) | EKA-CHE-SOP-33               | BLQ   | mg/kg   | 0.01 | -        |
| 25                | -       | Copper Oxochloride as Cu                    | EKA-CHE-SOP-47               | 3.951 | mg/kg   | 0.5  | Max 30.0 |
| 26                | -       | Copper Oxide as Cu                          | EKA-CHE-SOP-47               | 3.951 | mg/kg   | 0.5  | Max 30.0 |
| 27                | -       | Copper Sulphate as Cu                       | EKA-CHE-SOP-47               | 3.951 | mg/kg   | 0.5  | Max 30.0 |
| 28                | -       | Copper Hydroxide as Cu                      | EKA-CHE-SOP-47               | 3.951 | mg/kg   | 0.5  | Max 30.0 |
| 29                | -       | Dinocap                                     | EKA-CHE-SOP-49               | BLQ   | mg/kg   | 0.01 | -        |
| 30                | -       | Ethephon                                    | EKA-CHE-SOP-52               | BLQ   | mg/kg   | 0.01 | -        |
| 31                | -       | Forchlorfenuron                             | EKA-CHE-SOP-52               | BLQ   | mg/kg   | 0.01 | -        |
| 32                | -       | Fosetyl-Al                                  | EKA-CHE-SOP-52               | BLQ   | mg/kg   | 0.01 | -        |
| 33                | -       | Kasugamycin                                 | EKA-CHE-SOP-52               | BLQ   | mg/kg   | 0.01 | -        |
| 34                | -       | Mepiquat Chloride                           | EKA-CHE-SOP-52               | BLQ   | mg/kg   | 0.01 | -        |
| 35                | -       | Cartap Hydrochloride                        | EKA-CHE-SOP-52               | BLQ   | mg/kg   | 0.01 | -        |
| 36                | -       | Glufosinate Ammonium                        | EKA-CHE-SOP-53               | BLQ   | mg/kg   | 0.01 | -        |
| 37                | -       | Glyphosate                                  | EKA-CHE-SOP-53               | BLQ   | mg/kg   | 0.01 | -        |
| 38                | -       | Paraquat                                    | EKA-CHE-SOP-54               | BLQ   | mg/kg   | 0.01 | -        |
| 39                | -       | Hydrogen cyanamide                          | EKA-CHE-SOP-155              | <10.0 | µg/kg   | 10.0 | -        |
| 40                | -       | Triacantanol                                | EKA-CHE-SOP-63               | BLQ   | mg/kg   | 0.01 | -        |
| 41                | -       | Other Analyzed Pesticides                   | EKA-CHE-SOP-63               | BLQ   | mg/kg   | -    | -        |

List of molecules analysed by LC-MSMS & GC-MSMS (LOQ-mg/kg)

| SL.No | Parameter Name  | LOQ mg/kg | SL.No | Parameter Name                          | LOQ mg/kg |
|-------|---|-----------|-------|---|-----------|
| 1     | 2,4-DichlorophenoxyAceticAcid                           | 0.01      | 118   | Metalaxyl-M                             | 0.01      |
| 2     | Acephate  | 0.01      | 119   | Methabenzthiazuron                      | 0.01      |
| 3     | Acetamiprid   | 0.01      | 120   | Methomyl                                | 0.01      |
| 4     | Alachlor  | 0.01      | 121   | Methyl Chlorophenoxy Acetic Acid (MCPA) | 0.01      |
| 5     | Alpha cypermethrin                                      | 0.01      | 122   | Methyl Parathion                        | 0.01      |
| 6     | Alpha naphthyl Acetic Acid                              | 0.01      | 123   | Metolachlor                             | 0.01      |
| 7     | Ametroctradin   | 0.01      | 124   | Metribuzin                              | 0.01      |
| 8     | Anilophos   | 0.01      | 125   | Metsulfuron Methyl                      | 0.01      |
| 9     | Atrazine  | 0.01      | 126   | Monocrotophos                           | 0.01      |
| 10    | Azimsulfuron  | 0.01      | 127   | Myclobutanil                            | 0.01      |
| 11    | Azoxystrobin  | 0.01      | 128   | Novaluron                               | 0.01      |
| 12    | Benfuracarb   | 0.01      | 129   | Orthosulfamuron                         | 0.01      |
| 13    | Sum of benomyl and carbendazim expressed as carbendazim | 0.01      | 130   | Oxadiargyl                              | 0.01      |
| 14    | Bensulfuron Methyl                                      | 0.01      | 131   | Oxydemeton-Methyl                       | 0.01      |
| 15    | Beta Cyfluthrin   | 0.01      | 132   | Oxyfluorfen                             | 0.01      |

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|    |  |       |     |                      |      |
|----|--|-------|-----|----------------------|------|
| 16 | Bifenthrin   | 0.01  | 133 | Paclbutrazol         | 0.01 |
| 17 | BispyribacSodium   | 0.01  | 134 | Paraquat dichloride  | 0.01 |
| 18 | Bitertanol   | 0.01  | 135 | Penconazole          | 0.01 |
| 19 | Buprofezin   | 0.01  | 136 | Pencycuron           | 0.01 |
| 20 | Butachlor  | 0.01  | 137 | Pendimethalin        | 0.01 |
| 21 | Captan   | 0.01  | 138 | Penoxuslum           | 0.01 |
| 22 | Carbaryl   | 0.01  | 139 | Permethrin           | 0.01 |
| 23 | Carbendazim  | 0.01  | 140 | Phenthoate           | 0.01 |
| 24 | Carbofuran   | 0.002 | 141 | Phorate              | 0.01 |
| 25 | Carbosulfan  | 0.01  | 142 | Phosalone            | 0.01 |
| 26 | CarfentrazoneEthyl   | 0.01  | 143 | Picoxystrobin        | 0.01 |
| 27 | Carpropamid  | 0.01  | 144 | Pinoxaden            | 0.01 |
| 28 | Cartap Hydrochloride                                       | 0.01  | 145 | Pretilachlor         | 0.01 |
| 29 | Chlorantraniliprole  | 0.01  | 146 | Pirimiphos-methyl    | 0.01 |
| 30 | Chlorfenapyr   | 0.01  | 147 | Profenofos           | 0.01 |
| 31 | Chlorfluazuron   | 0.01  | 148 | Prohexadione calcium | 0.01 |
| 32 | Chlorimuronethyl   | 0.01  | 149 | Propaquizafop        | 0.01 |
| 33 | Chlormequat Chloride(CCC)                                  | 0.01  | 150 | Propargite           | 0.01 |
| 34 | Chlorothalonil   | 0.01  | 151 | Propiconazole        | 0.01 |
| 35 | Chlorpropham   | 0.01  | 152 | Propineb             | 0.01 |
| 36 | Chlorpyriphos  | 0.01  | 153 | Pyraclostrobin       | 0.01 |
| 37 | Chlothianidin  | 0.01  | 154 | Pyrazosulfuron ethyl | 0.01 |
| 38 | Chromafenozide   | 0.01  | 155 | Pyridalyl            | 0.01 |
| 39 | Clodinafop-propargyl                                       | 0.01  | 156 | Pyriproxyfen         | 0.01 |
| 40 | Clomazone  | 0.01  | 157 | Pyrithiolac Sodium   | 0.01 |
| 41 | Copper Hydroxide (Copper determined as elemental copper)   | 0.1   | 158 | Pymetrozine          | 0.01 |
| 42 | Copper Oxychloride (Copper determined as elemental copper) | 0.1   | 159 | Quinalphos           | 0.01 |
| 43 | Copper Sulphate (Copper determined as elemental copper)    | 0.1   | 160 | Quizalofopethyl      | 0.01 |
| 44 | Cuprous Oxide (Copper determined as elemental copper)      | 0.1   | 161 | Quizalofop-P-tefuryl | 0.01 |
| 45 | Cyantranilipole  | 0.01  | 162 | Spinosad             | 0.01 |
| 46 | Cyazofamid   | 0.01  | 163 | Spiromesifen         | 0.01 |
| 47 | Cyhalofop-butyl  | 0.01  | 164 | Sulfosulfuron        | 0.01 |
| 48 | Cymoxanil  | 0.01  | 165 | Tebuconazole         | 0.01 |
| 49 | Cypermethrin   | 0.01  | 166 | Thiacloprid          | 0.01 |
| 50 | Deltamethrin   | 0.01  | 167 | Thifluzamide         | 0.01 |
| 51 | Diafenthiuron  | 0.01  | 168 | Thiodicarb           | 0.01 |
| 52 | Dichlorvos   | 0.01  | 169 | Thiamethoxam         | 0.01 |
| 53 | Diclofop   | 0.01  | 170 | Thiometon            | 0.01 |
| 54 | Diclosulam   | 0.01  | 171 | Thiophanate-Methyl   | 0.01 |
| 55 | Dicofol  | 0.01  | 172 | Tolfenpyrad          | 0.01 |
| 56 | Difenoconazole   | 0.01  | 173 | Trichlorfon          | 0.01 |
| 57 | Diflubenzuron  | 0.01  | 174 | Triadimefon          | 0.01 |
| 58 | Dimethoate   | 0.01  | 175 | Trifloxystrobin      | 0.01 |
| 59 | Dimethomorph   | 0.01  | 176 | Triallate            | 0.01 |

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|     |                            |       |     |   |      |
|-----|----------------------------|-------|-----|---|------|
| 60  | Dinocap                    | 0.01  | 177 | Triasulfuron  | 0.01 |
| 61  | Dinotefuran                | 0.01  | 178 | Triazophos  | 0.01 |
| 62  | Dithianon                  | 0.01  | 179 | Tricyclazole  | 0.01 |
| 63  | Dithiocarbamates as CS2    | 0.01  | 180 | Tridemorph  | 0.01 |
| 64  | Diuron                     | 0.01  | 181 | Trifluralin   | 0.01 |
| 65  | Dodine                     | 0.01  | 182 | Validamycin   | 0.01 |
| 66  | Edifenphos                 | 0.01  | 183 | Fluopicolide  | 0.01 |
| 67  | Emamectin Benzoate         | 0.01  | 184 | Tembotrione   | 0.01 |
| 68  | Epoxyconazole              | 0.01  | 185 | Propanil  | 0.01 |
| 69  | Ethephon                   | 0.01  | 186 | Fluopyram and its metabolites   | 0.01 |
| 70  | Ethion                     | 0.01  | 187 | Topramezone   | 0.01 |
| 71  | Ethofenprox                | 0.01  | 188 | Thiocyclam Hydrogen Oxalate   | 0.01 |
| 72  | Ethoxysulfuron             | 0.01  | 189 | 2,4-D Amine Salt  | 0.01 |
| 73  | Etoxazole                  | 0.01  | 190 | Ametyrn   | 0.01 |
| 74  | Famoxadone                 | 0.01  | 191 | Fomesafen   | 0.01 |
| 75  | Fenamidone                 | 0.01  | 192 | Imazamox  | 0.01 |
| 76  | Fenarimol                  | 0.01  | 193 | Spinetoram and its metabolites  | 0.01 |
| 77  | Fenazaquin                 | 0.01  | 194 | Bentazone   | 0.01 |
| 78  | Fenobucarb                 | 0.01  | 195 | Cyflumetofen  | 0.01 |
| 79  | Fenoxaprop-p-ethyl         | 0.01  | 196 | Boscalid  | 0.01 |
| 80  | Fenpropathrin              | 0.01  | 197 | Flucetosulfuron   | 0.01 |
| 81  | Fenpyroximate              | 0.01  | 198 | Haloxypop-RMethyl   | 0.01 |
| 82  | Fenvalerate                | 0.01  | 199 | Sulfentrazone and its metabolite<br>Desmethylsulfentrazone and 3-<br>Hydroxymethylsulfentrazone | 0.01 |
| 83  | Fipronil                   | 0.005 | 200 | Spirotetramat   | 0.01 |
| 84  | Flonicamid                 | 0.01  | 201 | Metrafenone   | 0.01 |
| 85  | Fluazifop-p-butyl          | 0.01  | 202 | Fluxapyroxad  | 0.01 |
| 86  | Flubendiamide              | 0.01  | 203 | Tetraconazole   | 0.01 |
| 87  | Fluchloralin               | 0.01  | 204 | Abamectin   | 0.01 |
| 88  | Flufenacet                 | 0.01  | 205 | Flupyradifurone and itsmetabolites Difluoroacetic<br>Acid and Difluoroethylamino-furanone       | 0.01 |
| 89  | Flusilazole                | 0.01  | 206 | Sulfoxaflor   | 0.01 |
| 90  | Fluvalinate                | 0.01  | 207 | Ferbam as CS2   | 0.01 |
| 91  | Forchlorfenuron            | 0.01  | 208 | Oxadiazon   | 0.01 |
| 92  | Fosetyl-Al                 | 0.01  | 209 | Cinmethylen   | 0.01 |
| 93  | Glufosinate Ammonium       | 0.01  | 210 | Triacantanol  | 0.01 |
| 94  | Glyphosate                 | 0.01  | 211 | Milbemectin   | 0.01 |
| 95  | Halosulfuron methyl        | 0.01  | 212 | SodiumAcefloufen  | 0.01 |
| 96  | Hexaconazole               | 0.01  | 213 | Sodium Para Nitro Phenolate   | 0.01 |
| 97  | Hexazinone                 | 0.01  |     |   |      |
| 98  | Hexythiazox                | 0.01  |     | <b>Banned pesticides</b>  | 0.01 |
| 99  | Iodosulfuron Methyl Sodium | 0.01  | 214 | Aldicarb  | 0.01 |
| 100 | Imazethapyr                | 0.01  | 215 | Aldrin, dieldrin  | 0.01 |
| 101 | Imidacloprid               | 0.01  | 216 | Chlordane   | 0.01 |
| 102 | Indoxacarb                 | 0.01  | 217 | Heptachlor  | 0.01 |
| 103 | Iprobenfos                 | 0.01  | 218 | Lindane Gamma-HCH   | 0.01 |

|     |                     |      |     |                  |      |
|-----|---------------------|------|-----|------------------|------|
| 104 | Iprodione           | 0.01 | 219 | Endosulfan       | 0.01 |
| 105 | Isoprothiolane      | 0.01 | 220 | Carbofuran       | 0.01 |
| 106 | Isoproturon         | 0.01 | 221 | Methomyl         | 0.01 |
| 107 | Kasugamycin         | 0.01 | 222 | Phosphamidon     | 0.01 |
| 108 | Kresoxim Methyl     | 0.01 | 223 | Captafol 8       | 0.01 |
| 109 | Lambda cyhalothrin  | 0.01 | 224 | Formothion       | 0.01 |
| 110 | Linuron             | 0.01 | 225 | Simazine         | 0.01 |
| 111 | Lufenuron           | 0.01 | 226 | Diazinon         | 0.01 |
| 112 | Malathion           | 0.01 | 227 | D.D.T            | 0.01 |
| 113 | Mandipropamid       | 0.01 | 228 | Fenitrothion     | 0.01 |
| 114 | Mepiquat Chloride   | 0.01 | 229 | Fenthion         | 0.01 |
| 115 | Mesosulfuron Methyl | 0.01 | 230 | Methyl Parathion | 0.01 |
| 116 | Metaflumizone       | 0.01 | 231 | Ethyl Parathion  | 0.01 |
| 117 | Metalaxyl           | 0.01 | 232 | Monocrotophos    | 0.01 |

LOQ: Limit of Quantification,

BLQ: Below Limit of Quantification.

**Sample conclusion:** The analysed sample is in accordance to FSSR (Food Safety and Standards (Health Supplements, Nutraceuticals, Food for Special Dietary Use, Food for Special Medical Purpose, Functional Food and Novel Food) Regulations, 2016, in its currently valid version, wherever limits are available.  
 Note: Conclusion is provided with reference to tested analytes only.



Mr Varaprasad A Babu  
 Authorised Signatory  
 Chemical



Dr. Bharath M R  
 Authorised Signatory  
 Biological

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\*\*\*\*\* END OF REPORT \*\*\*\*\*