

## CERTIFICATE OF ANALYSIS

### SAVOGEL/WHITE PETROLATUM USP

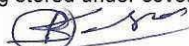
(Manufactured under Drug License No.25 KD - 193 DT / 02.06.2023)

|                                                 |                                     |
|-------------------------------------------------|-------------------------------------|
| Date of receipt sample : 08.08.2024             | Date of testing : 08.08.2024        |
| Name of product : Savogel /White Petrolatum USP | Date of Manufacturing : 08.08.2024  |
| Batch No.: 28708PJ24                            | Date of Expiry : 08.07.2027         |
| Protocol of tests Applied : USP 43/NF38         | Analytical Report No.: F- 28708PJ24 |

| Sr No | Test parameter                                                                                                                                                                    | Method          | USP Specifications                                                                                                                                                                                                                    | RESULT                                              |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| 1     | Definition                                                                                                                                                                        | USP43/NF 38     | White Petrolatum is purified mixture of semisolid hydrocarbons obtained from petroleum, & wholly or nearly decolorized. It may contain a suitable stabilizer                                                                          | Complies                                            |
| 2     | Residue on ignition                                                                                                                                                               | USP43/NF 38     | It volatilizes without emitting an acrid odour and yields not more than 0.05% residue                                                                                                                                                 | Nil                                                 |
| 3     | Organic acids                                                                                                                                                                     | USP43/NF 38     | NMT 400 µL 0.1N NaOH                                                                                                                                                                                                                  | Complies                                            |
| 4     | Alkalinity                                                                                                                                                                        | USP43/NF 38     | The solution does not acquire a pink colour                                                                                                                                                                                           | Complies                                            |
| 5     | Acidity                                                                                                                                                                           | USP43/NF 38     | No red or pink colour is produced                                                                                                                                                                                                     | Complies                                            |
| 6     | Fixed oils, fats and rosin                                                                                                                                                        | USP43/NF 38     | No oily or solid matter separates                                                                                                                                                                                                     | Complies                                            |
| 7     | Colour                                                                                                                                                                            | USP43/NF 38     | The warm melted liquid is not darker than 5 ml of the standard solution                                                                                                                                                               | Complies                                            |
| 8     | Specific gravity at 60°C                                                                                                                                                          | USP43/NF 38     | 0.815- 0.880                                                                                                                                                                                                                          | 0.8427                                              |
| 9     | Melting Range USP class III                                                                                                                                                       | USP /ASTM D-127 | 50°C - 60°C                                                                                                                                                                                                                           | 59.4 °C                                             |
| 10    | Consistency@ 25°C                                                                                                                                                                 | USP43/NF 38     | 100 dmm -300 dmm                                                                                                                                                                                                                      | 169 dmm                                             |
| 11    | Lovibond colour2" cell                                                                                                                                                            | IP- 17          | 0.5Y Max.                                                                                                                                                                                                                             | 0.2Y + 0.0R                                         |
| 12    | Melting Point , °C                                                                                                                                                                | IQA Method      | 45 -51                                                                                                                                                                                                                                | 49                                                  |
| 13    | Drop Point, °C                                                                                                                                                                    | IP-371          | 42 -51                                                                                                                                                                                                                                | 51                                                  |
| 14    | Congeaing Point , °C                                                                                                                                                              | ASTM D-938      | 40 -45                                                                                                                                                                                                                                | 44.4                                                |
| 15    | Flash Point , °C                                                                                                                                                                  | ASTM D-92       | 150 Min.                                                                                                                                                                                                                              | 232                                                 |
| 16    | Odour                                                                                                                                                                             | Internal        | Odourless                                                                                                                                                                                                                             | Odourless                                           |
| 17    | Description                                                                                                                                                                       | USP 43/NF38     | White or slight yellow ,unctuous, transparent mass in the thin layers even after cooling to 0°                                                                                                                                        | Complies                                            |
| 18    | Solubility                                                                                                                                                                        | USP 43/NF38     | Freely soluble in benzene, in carbon disulfide, and in chloroform ;solution in ether, in solvent hexane and most fixed and volatile oils ,slightly soluble in cold or hot alcohol, and in cold dehydrated alcohol ;insoluble in water | Complies                                            |
| 19    | Microbiological Tests<br>a) Total aerobic Microbial count<br>b) Total combined yeast/ molds count<br>c ) Escherichia coil<br>d Pseudomonas aeruginosa<br>e) Staphylococcus aureus | IP -2018        | Maximum 1000 CFU/g<br>Maximum 100 CFU/g<br>Absence in 1.0 g<br>Absence in 1.0 g<br>Absence in 1.0 g                                                                                                                                   | <10 cfu/g<br><10cfu/g<br>Absent<br>Absent<br>Absent |

**Tested as per USP 43/NF 38 Specifications**

( Subject to Product being stored under covered place protected from Sunlight & Moisture )

Signature of Analyst 

Opinion & Signature of approved Analyst 


Material complies with USP.

Material supplied to :

Quantity : 14450 KGS (85 Drums x 170 kg)

Date : 10.08.2024

FOR SAVITA OIL TECHNOLOGIES LTD

  
Sr. MANAGER QC/QA  
(CHETAN P PACHPANDE)