

CERTIFICATE OF ANALYSIS

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|-------------------|----------------|--------------|----------------|
| NAME OF PRODUCT : | GLYCEROL BP | LICENCE NO.: | KD-40 |
| BATCH NO. : | BP/01010619/48 | TOTAL QTY. : | 475 Kg. |
| MFG. DATE : | JUNE 2019 | LAB ID. : | PHFP/1920/0101 |
| EXP. DATE : | MAY 2021 | | |
| ANALYSIS DATE : | 09.06.2019 | | |

| TEST | ATTRIBUTE | ACTUAL |
|------------------------------|---|-----------------------|
| Description | Syrupy liquid, unctuous to the touch, colourless or almost colourless, clear, very hygroscopic. | Complies |
| Solubility | Miscible with water & with alcohol, slightly soluble in acetone, practically insoluble in fatty oils and in essential oils. | Complies |
| Identification | A] Refractive Index : 1.470 to 1.475 | 1.472 |
| | B] The blue colour does not diffuse into the lower layer. | Complies. |
| | C] To pass the test. | Complies. |
| Appearance of soln. | 50% Solution in water is clear and 20% solution in water is colourless. | Complies |
| Acidity or alkalinity | Not more than 0.2 ml of 0.1M NaOH. | 0.12 ml of 0.1M NaOH. |
| Refractive Index | 1.470 - 1.475 | 1.472 |
| Aldehydes | Max. 10 ppm | < 10 ppm |
| Ester | Not less than 8.0 ml of 0.1M hydrochloric acid. | 8.7 ml of 0.1M HCl. |
| Impurity A and related subs. | To pass the test. | Complies |
| Halogenated compounds | Max. 35 ppm | < 35 ppm |
| Sugars | To pass the test. | Complies |
| Chlorides | Max. 10 ppm | < 10 ppm |
| Sulphated ash | Max. 0.01% | 0.006% |
| Water | Max. 2.0% | 0.41% |
| Assay (anhydrous basis) | 98.0 - 101% | 99.03% |

THE ABOVE BATCH MATERIAL COMPLIES WITH THE PRESCRIBED QUALITY OF BP STD.

This product is manufactured at our manufacturing unit no. 1 (Boisar).

CODE NO. : 20118BP

For S D FINE-CHEM LIMITED


 MANAGER (QC)