



AQUADEF AUTOCHEM LLP

SURVEY NO.207, PLOT NO. 15

N.H.8/A,CHUDVA,

GANDHIDHAM-KACHCHH 370240

Format No.: 02

Certificate of Analysis

| | | | |
|-----------------|-----|-----------------|------------|
| NAME OF PRODUCT | DEF | MFG. DATE | 23-05-2024 |
| BATCH NUMBER | 120 | SAMPLE SIZE | 100 ML |
| A.R.NUMBER | - | DATE OF RELEASE | 23-05-2024 |

| SR. NO. | TEST | SPECIFICATION | OBSERVATION |
|---------|----------------------------|--|--|
| 1 | DESCRIPTION | Clear or slightly yellow liquid, odourless or having slight scent of ammonia | Clear & having slight scent of ammonia |
| 2 | Refractive index | 1.3814-1.3843 at 20 C | 1.382998 |
| 3 | Urea Content | 31.8-33.2% | 32.57 |
| 4 | Density | 1.087-1.093 | 1090.2@ 20 C |
| 5 | Ammonia Content | NMT 0.2% | 0.0015% |
| 6 | Biuret Content | NMT 0.3% | 0.224% |
| 7 | Aldehyde Content | NMT 5 PPM | 0.282 PPM |
| 8 | Insoluble particle content | NMT 20 PPM | 16.345 PPM |
| 9 | Phosphate Content | NMT 0.5 PPM | NOT DETECTED |
| 10 | Trace Element content | Calcium content: NMT 0.5 PPM | 0.17 PPM |
| | | IRON CONTENT: NMT 0.5 PPM | NOT DETECTED |
| | | COPPER CONTENT: NMT 0.2 PPM | NOT DETECTED |
| | | ZIN CONTENT : NMT 0.2 PPM | 0.01 PPM |
| | | CHROMIUM CONTENT : NMT 0.2 PPM | NOT DETECTED |
| | | NICKEL CONTENT : NMT 0.2 PPM | NOT DETECTED |
| | | ALUMINIUM CONTENT : NMT 0.2 PPM | NOT DETECTED |
| | | MAGNESIUM CONTENT : 0.5 PPM | 0.03 PPM |
| | | SODIUM CONTENT : NMT 0.5 PPM | 0.02 PPM |
| | | POTASSIUM CONTENT : NMT 0.5 PPM | 0.01 PPM |
| 11 | Identification by FTIR | The sample spectrum shall concordant to the standard spectrum. | The sample spectrum is concordant to the std spectrum. |

| | | |
|-----------|---------------|---------------|
| | ANALYZED BY | CHECKED BY |
| SIGNATURE | | |
| NAME | RANJIT THAKOR | KAPIL ACHARYA |