

## **CERTIFICATE OF ANALYSIS**

**Product :-** SOYA PHOSPHATIDYL CHOLINE 35%  
**LOT No. :-** PC/SS-25/08/002  
**Quantity :-** 22 MT  
**Mfg. Date :-** 14.08.2025  
**Expiry Date :-** 13.02.2027  
**No.of ISO.:-** 01 Nos.( UTCU- 5023642 )  
**CAS NO.:-** 8002-43-5

| S. No. | PARAMETER                | QUALITY SPECIFICATION                      | RESULT                  |
|--------|--------------------------|--------------------------------------------|-------------------------|
| 1      | Description              | Dark brown dense Liquid                    | Dark brown dense Liquid |
| 2      | Identification           | NMR (Positive)                             | Positive                |
| 3      | Acid Value               | Not more than 35                           | 24.49 mgKOH/gm          |
| 4      | Water Content (K.F.)     | Not more than 0.5%                         | 0.42%                   |
| 5      | Phosphatidyl Choline     | Not less than 35%                          | 36.40%                  |
| 6      | Lysophosphatidyl Choline | NMT 5% (Critical parameter)                | 1.44%                   |
| 7      | Phosphatidic Acid        | NMT 1.5%                                   | 0.78%                   |
| 8      | Phosphatidylethanolamine | Report Result %                            | 8.73%                   |
| 9      | Phosphatidylinositol     | Report Result %                            | 1.14%                   |
| 10     | Saccharose               | Not more than 3.0%                         | 1.86%                   |
| 11     | Fructose                 | Not more than 1%                           | <0.5%                   |
| 12     | Raffinose                | Not more than 0.3 %                        | Complies                |
| 13     | Stachyose                | Not more than 0.3 %                        | Complies                |
| 14     | Others(Single Largest)   | NMT 0.5%                                   | Complies                |
| 15     | Heavy metals (Pb)        | Not more than 10 ppm                       | BDL(DL:0.1 mg/kg)       |
| 16     | Aflatoxines              | Complies to EEC Directive                  | Complies                |
| 17     | Pesticides               | Complies to EEC Directive                  | Complies                |
| 18     | Peroxide Value           | I.P. NMT 5                                 | 0.10                    |
| 19     | Calcium                  | NMT 100ppm                                 | Complies                |
| 20     | Viscosity                | NMT 12000 cps at 25°C (Critical parameter) | 11200 Centi Poise       |
| 21     | E.Coli                   | Absent/g                                   | Absent/g                |
| 22     | Coliforms                | Absent/g                                   | Absent/g                |
| 23     | Salmonella               | Absent/375g                                | Absent/375g             |
| 24     | TAMC                     | NMT 1000 cfu/gm                            | 10 cfu/gm               |
| 25     | TYMC                     | NMT 100 cfu/gm                             | 10 cfu/gm               |