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## QUALITY SPECIFICATION FOR SEMI-REFINED SUNFLOWER OIL

| PARAMETERS                        | VALUE                        | TEST METHOD      |
|-----------------------------------|------------------------------|------------------|
| I. ORGANOLEPTIC PARAMATERS        |                              |                  |
| 1. Appearance                     | clear without sediments      |                  |
| 2. Colour                         | light yellow                 |                  |
| 3. Taste and odour                | specific                     |                  |
| II. CHEMICAL PARAMATERS           |                              |                  |
| 1. Relative index at 20°C         | Up to 0.930                  | ISO 6883         |
| 2. Flash point                    | >121°C                       | ISO 15267        |
| 3. Viscosity at 40°C              | 34 - 38                      | DIN EN ISO 3104  |
| 4. LHW, MJ/kg                     | 35.000                       | BDS ISO 1928     |
| 5. Iodine value                   | 120 - 140                    | ISO 3961         |
| 6. Sulfur content, mg/kg          | max 10                       | BDS EN ISO 20884 |
| 7. Total sediments                | max 0.3 %                    | BDS EN ISO 15301 |
| 8. Acidity as oleic acid          | max 2 %                      | BDS ISO 660      |
| 9. Phosphorous content            | max 30 mg/kg                 | BDS EN 14107     |
| 10. Moisture and volatile matters | max 0.75%                    | BDS ISO 662      |
| 11. Peroxide value                | max 12 meqO <sub>2</sub> /kg | ISO 3960         |
| 12. Saponification value          | 188 - 195 mg KOH/kg          | ISO 3657         |