

Certificate of Analysis

Product: ROSE HIP PURE OIL

Botanical Name: *Rosa canina*

PHYSICAL AND CHEMICAL PROPERTIES

| TEST(UNIT) | SPECIFICATION | RESULT |
|----------------------------|--------------------------------|--------------------------------|
| Appearance | Slightly viscous mobile liquid | Slightly viscous mobile liquid |
| Colour | Pale yellow to golden yellow | Golden yellow |
| Clarity | Clear, no foreign matter | Clear, no foreign matter |
| Odour | Little no odour | Characteristic |
| Specific gravity @ 20°C | 0.910 to 0.930 | 0.920 |
| Refractive index @ 20°C | 1.465 to 1.490 | 1.474 |
| Acid value (mg KOH/g) | Max 3 | 1.1 |
| Peroxide value (meq O2/kg) | Max 12 | 6.2 |

FATTY ACID PROFILE

| CONSTITUENT(UNIT) | SPECIFICATION | RESULT |
|--------------------|---------------|--------|
| Palmitic acid (%) | 4 to 8 | 6 |
| Stearic acid (%) | 2 to 6 | 3 |
| Oleic acid (%) | 21 to 31 | 24 |
| Linoleic acid (%) | 55 to 65 | 63 |
| Linolenic acid (%) | 0.1 to 2 | 2 |