



SUPPLIERS OF IMPORTED AND DOMESTIC VEGETABLE OILS

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### **SOUTH AMERICAN TUNG OIL SPECIFICATIONS**

| <b><u>VALUES</u></b>        | <b><u>METHODS</u></b> | <b><u>SPECIFICATIONS</u></b>          |
|-----------------------------|-----------------------|---------------------------------------|
| COLOR – Gardner             | D 1544                | 12 Max (TYPICAL 7 – 8)                |
| APPEARANCE @ 25 DEG C       | D 2090                | Clear & Transparent                   |
| SPECIFIC GRAVITY @ 25 DEG C | D 1963                | 0.933 To 0.938                        |
| FLASH POINT, MIN.           | D 93                  | 250 Deg F (121 C)                     |
| REFRACTIVE INDEX @ 25 DEG C |                       | 1.5160 To 1.5200                      |
| ACID VALUE, MAX             | D 1639                | 5.0                                   |
| SAPONIFICATION VALUE        | D 1962                | 189 To 195                            |
| UNSAPONIFIABLE MATTER       | D 1965                | 0.75                                  |
| IODINE VALUE (WIJS) MIN.    | D 1959                | 163.0                                 |
| TUNG OIL QUALITY TEST       | D 1964                | Passes                                |
| GEL TIME, MAX               | D 1955                | 12 Minutes<br>(TYPICAL 10–11 MINUTES) |

### **CHINESE TUNG OIL SPECIFICATIONS**

| <b><u>VALUES</u></b>        | <b><u>METHODS</u></b> | <b><u>SPECIFICATIONS</u></b>         |
|-----------------------------|-----------------------|--------------------------------------|
| COLOR – Gardner             | D 1544                | 12 Max (TYPICAL 10–12)               |
| APPEARANCE @ 25 DEG C       | D 2090                | Clear & Transparent                  |
| SPECIFIC GRAVITY @ 25 DEG C | D 1963                | 0.933 To 0.938                       |
| FLASH POINT, MIN.           | D 93                  | 250 Deg F (121 C)                    |
| REFRACTIVE INDEX @ 25 DEG C |                       | 1.5160 To 1.5200                     |
| ACID VALUE, MAX             | D 1639                | 8.0                                  |
| SAPONIFICATION VALUE        | D 1962                | 189 To 195                           |
| UNSAPONIFIABLE MATTER       | D 1965                | 0.75                                 |
| IODINE VALUE (WIJS) MIN.    | D 1959                | 163.0                                |
| TUNG OIL QUALITY TEST       | D 1964                | Passes                               |
| GEL TIME, MAX               | D 1955                | 12 Minutes<br>(TYPICAL 9-10 MINUTES) |

Although Raw Tung Oil (formerly D12-88) is no longer listed in the Annual Book of ASTM Standards, the test methods above are those prescribed by ASTM International.

January, 2009