

### 27.38 Castor Oil Characteristics and Fatty Acid Composition

Physical Characteristics	Range	Fatty acid	Per cent Range
I.V	81-91	Palmitic	0.9 – 1.2
S.V	175-187	Stearic	1.0 – 1.2
Density	0.945-0.965	Oleic	3.2-3.3
I.f.a	2%	Linoleic	3.4-3.7
Refractive index	1.4748-1.4810	Ricinoleic	89.89.4
Hydroxyl value	155-169	Dihydroxy	1.3-1.4

Source: Pattemson, H.B.W. 1989. Handling and storage of oilseeds, oil, fats and meal pp.87-180. Elsevier Applied Science, New York.