

Certificate of Analysis

Product Name	REFINED CASTOR OIL FSG (First Special Grade)
Date Of Manufacturing	28/01/2025
Date Of Expiry	28/01/2027

Sr. No.	SPECIFICATION	REQUIRED PARAMETER	OBSERVED PARAMETER
1	Appearance	Pale yellow, viscous, Clear liquid	Pale yellow, viscous, Clear liquid
2	Moisture (K.F)	0.25% Max.	0.16%
3	FFA (as oleic)	1.0% Max	0.55%
4	Acid Value (mgk OH/g)	2.00 Max	1.10
5	Iodine Value (Wij's Method)	82-90	84.45
6	Saponification Value (mgk OH/g)	177-185	180.25
7	Hydroxyl value (mgk OH/g)	158-165	162.65
8	Insoluble Impurities	0.02	0.00
9	Viscosity poise @ 25'C	6.0-9.0 cps	7.3
10	Refractive Index at 20' C	1.477-1.481	1.4773
11	Specific gravity@30'c	0.954-0.960	0.957
12	Identification	Positive	PASS
13	Odour	Characteristic Comparable to Standard	PASS
14	Peroxide Value	4.0 maq/kg	1.67 maq/kg
15	Ricinoleic Acid	85 MIN	86.25
16	Unsaponifiable matter	1.0 % Max	0.40%
17	Color "Gardner"	4.00 Max	3.0
18	Color on Iovi bond 5.25" cell	Y=20.0 Max	Y= 17.0
		R=2.0 Max	R= 1.7