

PORAM Standard Specifications for Processed Palm Oil

Processed palm oil	FFA** as palmitic	M & I maximum	I.V. (Wijs)	M. Point* (°C) AOCS Cs 3-25	Colour 5 ¼ inch Lovibond cell
1. Neutralized palm oil	0.25% max	0.10%	50-55	33-39	—
2. Neutralized and bleached palm oil	0.25% max	0.10%	50-55	33-39	20 Red max
3. RBD/NBD palm oil	0.1% max	0.10%	50-55	33-39	3 or 6 Red max
4. Crude palm olein	5% max	0.25% max	56 min	24 max	—
5. Neutralized palm olein	0.25% max	0.1% max	56 min	24	—
6. Neutralized and bleached palm olein	0.25% max	0.1% max	56 min	24 max	20 Red max
7. RBD/NBD palm olein	0.1% max	0.1% max	56 min	24 max	3 or 6 Red max
8. Crude palm stearin	5% max	0.25% max	48 min	24 max	—
9. Neutralized palm stearin	0.25% max	—	48 min	44 min	—
10. Neutralized and bleached palm stearin	0.05% max	0.15% max	48 min	44 min	20 Red max
11. RBD/NBD palm stearin	0.2% max	0.15% max	48 min	44 min	3 or 6 Red max
	FFA as palmitic	M & I maximum	Saponi. matter	Total fatty matter	Colour 5 ¼ inch Lovibond cell
12. Palm acid oil (basis 97%)	50% max	3% max	—	95% min	—
13. Palm fatty acid (basis 97%)	70% max	1.0% max	95% min	—	—
	Acid/sap value	***U.S.M.	Neutral fat	I.V. (Wijs)	Colour 5 ¼ inch Lovibond cell
14. Flaked stearic acid (rubber grade)	220-208/ 202-210	3% max	3%	8 max	4R, 30Y max

Notes:

*Slip point, softening point or rising point.

**Molecular weight of palmitic acid is taken as 256.

***Unsaponifiable matter.

Specification for palm oil stearin depend on the process used.

ERRATUM

We would like to thank PORAM for pointing out some errors in the *Datasheet* that appeared in the *Palm Oil Engineering Bulletin Issue No. 76*. The corrected version is republished in this issue. We regret the error.

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1. Neutralized palm oil	0.25% max	0.10%	50-55	33-39	—
2. Neutralized and bleached palm oil	0.25% max	0.10%	50-55	33-39	20 Red max
3. RBD/NBD palm oil	0.1% max	0.10%	50-55	33-39	3 Red max
4. Crude palm olein	5% max	0.25% max	56 min	24 max	—
5. Neutralized palm olein	0.25% max	0.1% max	56 min	24	—
6. Neutralized and bleached palm olein	0.25% max	0.1% max	56 min	24 max	20 Red max
7. RBD/NBD palm olein	0.1% max	0.1% max	56 min	24 max	3 Red max
8. Crude palm stearin	5% max	0.25% max	48 max	44 min	—
9. Neutralized palm stearin	0.25% max	0.15% max	48 max	44 min	—
10. Neutralized and bleached palm stearin	0.25% max	0.15% max	48 max	44 min	20 Red max
11. RBD/NBD palm stearin	0.2% max	0.15% max	48 max	44 min	3 Red max
	FFA as palmitic	M & I maximum	Saponi. matter	Total fatty matter	Colour 5 ¼ inch Lovibond cell
12. Palm acid oil (basis 97%)	50% max	3% max	—	95% min (basis 97%)	—
13. Palm fatty acid (basis 97%)	70% max	1.0% max	95% min (basis 97%)	—	—

Notes:

*Slip point, softening point or rising point.

**Molecular weight of palmitic acid is taken as 256..

***Colour measurement based on Tintometer Model 'E' AF 900 and Model 'D' AF 702.

Specifications for palm oil stearin depend on the process used.

Specifications are shipped quality final.