

Subject : Mineral Oil (MOSH/MOAH)

Date : 21/10/2025

The determination of the paraffinic, naphthenic mineral oil hydrocarbons (MOSH) and of the aromatic mineral oil hydrocarbons (MOAH) was performed according to the method published by the German 'National Reference Laboratory for Materials in contact with food.'

After extraction with hexane, the analysis was performed by means of on-line coupled HPLC-GC-FID using internal standards. In both fractions the chromatographically not resolved hump including signals on top was integrated. Hydrocarbon compounds not defined as mineral oil were deducted during the quantification.

Result:	MOSH			MOAH		
	< C ₁₈	C ₁₈ - < C ₃₅	C ₂₀ - ≤ C ₃₅	< C ₁₈	C ₁₈ - ≤ C ₃₅	
Sample 17:	< 0.2	0.91	0.39	< 0.2	0.12	mg/dm ²
Sample 18:	< 0.2	0.92	0.45	< 0.2	0.13	mg/dm ²
Sample 19:	< 0.2	0.73	0.39	< 0.2	0.10	mg/dm ²
Sample 20:	< 0.2	0.65	0.37	< 0.2	< 0.08	mg/dm ²

Sincerely yours,

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