



April 4, 2019

Re: Mineral Oil Aromatic Hydrocarbons (MOAH) in Clarion Food Grade White Mineral Oils

To Whom It May Concern,

We have had the MOAH content of Clarion Food Grade White Mineral Oils measured by the Kirchoff Institute. The result of the measurements indicates that the concentrations are less than 0.2 % MOAH.

There are a few points that we need to emphasize with regard to this measurement.

1. There has been no prescribed limit on the level of MOAH, or more appropriately described as Total Aromatic Content, in White Mineral Oils because the carcinogenicity of petroleum products is linked to the presence of 3-7 ring Poly Aromatic Carbon (PAC) rings also known as Poly Aromatic Hydrocarbons (PAHs). PAHs are a sub-set of Total Aromatic Content.
2. Clarion Food Grade White Mineral Oils products comply with the UV Absorbance specifications of 21 CFR 172.878 which specifies the limits for the Poly Aromatic Hydrocarbon (PAH) content of the product and correspond to approximately 0.3 ppm PAH according to literature.
3. We are actively participating with the industry task force that is investigating the validity of the Kirchoff Test method for petroleum products, including Clarion Food Grade White Mineral Oils.
4. Fully purified Mineral Oil products, including those produced by Clarion have not been suspect of any links to biological (i.e. carcinogenic) activity and have been safely used for many years.

Thank you for your interest in Clarion Food Grade White Mineral Oils.

Sincerely,

Brandon Thompson

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