



RE: Residual Solvents - Butyl Alcohol, NF (Cat# B1197)

To Whom It May Concern:

Thank you for your interest in Spectrum high quality chemicals.

The above mentioned catalog item complies with the requirements of USP <467> Residual Solvents and ICH Q3C Residual Solvents Guideline. The following solvents are likely to be present:

Residual Solvent	Class	Expected Concentration
Ethanol	3	< 5000 ppm
1-Propanol	3	< 5000 ppm
2-Propanol	3	< 5000 ppm

Additionally, the Class 3 solvents 2-Butanol and 2-Methyl-1-propanol are present in the above mentioned material below the maximum limits set by the requirements of the NF monograph. 2-Butanol is present below the limit of 0.1% and 2-Methyl-1-propanol is present below the limit of 0.1% under the specification *Limit of Butyraldehyde, 2-Butanol, Isobutyl Alcohol (2-Methyl-1-propanol), and Butyl Ether.*

No Class 1, Class 2, or other solvents are used or produced in the manufacturing process of this material.

For lot-specific information, please refer to the respective Certificate of Analysis.

If you have any further questions, please contact us by telephone at 1(800)772-8786 Option 2, or by email at TechServices@spectrumchemical.com.

Sincerely,

Technical Services
Spectrum Chemical Mfg. Corp.

This document has been produced electronically and is valid without a signature.

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