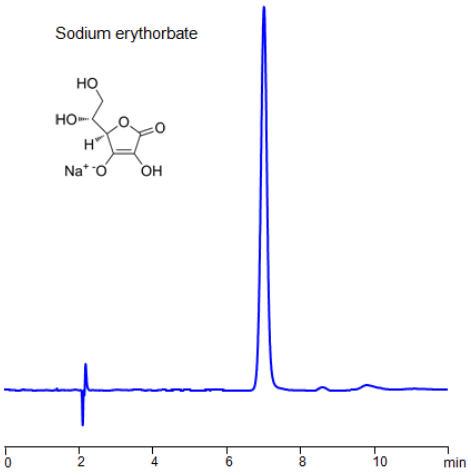
# HPLC Method for Analysis of Sodium Erythorbate on Primesep B Column

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|---|---|
| **Column**: | Primesep B |
| **Column size:** | 4.6 × 150 mm, 5 µm |
| **Column part number:** | B-46.1500.0510 |
| **Mobile phase:** | MeCN/$H_2O$ – 20/80% |
| **Buffer:** | Ammonium Acetate pH 4.0 -30 mM |
| **Flow rate:** | 1.0 mL/min |
| **Detection:** | UV 250 nm |

Separation type: Liquid Chromatography Mixed-mode

Sodium erythorbate is a common food preservative and curing agent with antioxidant properties found in a variety of meats, soft drinks, and baked goods. Sodium erythorbate can be retained and analyzedon a Primesep B reverse-phase column using a gradient analytical method with a mobile phase consisting of Acetonitrile (MeCN), water, and Ammonium acetate (AmAc) as the ionic modifier. This analysis method can be UV detected at 250 nm with high resolution and peak symmetry.

## Method Parameters

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|---|---|
| **Column** | Primesep B, 4.6 x 150 mm, 5 µm, 100 Å, dual ended |
| **Mobile Phase** | MeCN – 20% |
| **Buffer** | Ammonium Formate pH 3.0 – 30 mM |
| **Flow Rate** | 1.0 mL/min |
| **Detection** | UV 250 nm |

Quelle: https://sielc.com/hplc-determination-of-erythorbate

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