Stereospecific Detection Technologies
Reagents beyond the chemistry

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Certificate of Analysis

Product name	5-Bromo-5-nitro-1,3-dioxane
Code	#**BND-D**
Lot #	615954
Formula	$C_4H_6BrNO_4$
CAS #	30007-47-7
Molecular weight	212,0
Purity (GC)	99,8% (manufacturer's data)
Water content (KF)	0,11% (manufacturer's data)
Melting point	58-62°C (manufacturer's data)
Formaldehyde	2 ppm (manufacturer's data)
Related substances	0,2% max - conform (manufacturer's data)

Test	**Lot 615954 results**
Appearance (color)	white
Appearance (form)	crystal powder with chunks
Absorbance maximum (SP)	225 nm (1% solution in 1,2-propanediol)
Solubility (method)	50 g in 10000 g H2O 0,055 µS, 35°C, 3 hours mixing at 800 rpm
Solubility (color)	colorless
Solubility (transparent/turbid)	transparent
Filterability (0,2µm AC+GF)	positive
pH of the aqueous solution (0,5%)	5,59
Expiration date	10/2027++ (room temperature, tightly closed)
Manufacture date	18.07.2025
Date of QC Release	17.09.2025

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