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Bis(trimethylsilyl)trifluoroacetamide

(*N,O*-Bis(trimethylsilyl)trifluoroacetamide; *BSTFA*), $\text{CF}_3\text{CON}[\text{Si}(\text{CH}_3)_2]_2$ 257.40 CAS RN[®]: 25561-30-2.—Clear, colorless liquid.

Readily hydrolyzes when exposed to moist air. Store in a cool place.

• **Assay:** Not less than 98% of $\text{CF}_3\text{CON}[\text{Si}(\text{CH}_3)_2]_2$, a suitable gas chromatograph equipped with a thermal conductivity detector being used. The following conditions are suitable and provide a retention time of approximately 15 minutes.

Column: 3-mm × 1.83-m stainless steel containing 5% phase G1 on support S1A

Injection temperature: 170°

Column temperature: 70°, programmed to rise 4° per minute to 140°

Carrier gas: Helium

• **REFRACTIVE INDEX (831):** between 1.3820 and 1.3860 at 20°.

Auxiliary Information - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
BIS(TRIMETHYLSILYL)TRIFLUOROACETAMIDE	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

Most Recently Appeared In:

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