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## Bis(trimethylsilyl)acetamide

(*N,O*-Bis(trimethylsilyl)acetamide; BSA),  $\text{CH}_3\text{CON}[\text{Si}(\text{CH}_3)_2]_2$  203.43 CAS RN<sup>®</sup>: 10416-59-8.—Clear, colorless liquid. Readily hydrolyzes when exposed to moist air. Handle under nitrogen, and store in a cool place.

**Assay:** Not less than 90% of  $\text{CH}_3\text{CON}[\text{Si}(\text{CH}_3)_2]_2$ , 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:** 160°

**Column temperature:** 90°, programmed to rise 4° per minute to 160°

**Carrier gas:** Helium

**REFRACTIVE INDEX (831):** between 1.4150 and 1.4170 at 20°.

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

Topic/Question	Contact	Expert Committee
BIS(TRIMETHYLSILYL)ACETAMIDE	<a href="#">Margareth R.C. Marques</a> Principal Scientific Liaison	HDQ Headquarters

**Most Recently Appeared In:**

Pharmacopeial Forum: Volume No. Information currently unavailable

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