Meeting Global Nmr Standard Demand With High Purity C4h12si (TMS) Tetramethylsilane

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: C4h12si 4MS
- Minimum Order Quantity: 200kg
- Price: US $300
- Packaging Details: Cylinder
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 1000Tons/year

Product Specification

- Product Name: Tetramethylsilane (TMS)
- Transport: By Sea
- Appearance: Colorless
- Purity: 99.999%
- Model No.: Tetramethylsilane
- Transport Package: Tank
- Specification: Tank
- Trademark: CMC
- Origin: China
- HS Code: 2812190091
- Supply Ability: 1000t/Year
- CAS No.: 75-76-3
- Formula: C4h12si
- EINECS: 200-899-1
- Constituent: Pharmaceutical Intermediates

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Product Description

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C4H12Si is the chemical formula for tetramethylsilane (TMS). TMS is an organosilicon compound that consists of four methyl (CH3) groups attached to a silicon (Si) atom. Here are some key points about tetramethylsilane:

Structure: TMS has a tetrahedral molecular structure, with the silicon atom at the center and the four methyl groups arranged symmetrically around it.

Properties: TMS is a colorless liquid with a low boiling point and a mild, somewhat sweet odor. It is highly volatile and flammable. TMS is insoluble in water but soluble in a variety of organic solvents.

Uses:

NMR standard: TMS is widely used as a reference standard in nuclear magnetic resonance (NMR) spectroscopy. Its signal in NMR spectra serves as a reference for chemical shift measurements.

Chemical synthesis: TMS is used as a source of silicon in various chemical reactions, such as the synthesis of organosilicon compounds and as a precursor in the production of silicon-containing materials.

Protective coating: TMS can be applied as a protective coating for surfaces, providing water repellency and resistance to environmental

degradation.

Gas chromatography: TMS is employed as a calibration standard and a carrier gas in gas chromatography.

Safety considerations: TMS is flammable and should be handled with caution. It is harmful if swallowed, inhaled, or absorbed through the skin. Proper safety procedures, such as using appropriate ventilation, gloves, and eye protection, should be followed when working with TMS.

Basic Info.

Model No:	C4H12si	Transport Package	Cylinder, Canister or Tank
Specification:	20L,40L,280L and customizable	Trademark	CMC
Origin:	Suzhou,China	HS Code	2812190091
Production Capacity:	1000t/Year		

Product Description

The COA of Product:

Test Items		Unit	Test Results
Purity	Si(CH3)4(ICP-MS)	%	>99.99999
	Si(CH3)4(GC)	%	99.99
Impurities	Li	ng/g	<0.05
	B	ng/g	0.16
	Na	ng/g	0.05
	Mg	ng/g	<0.05
	Al	ng/g	0.14
	K	ng/g	0.16
	Ca	ng/g	0.05
	Ti	ng/g	<0.05
	Cr	ng/g	<0.05
	Mn	ng/g	<0.05
	Fe	ng/g	0.21
	Co	ng/g	<0.05
	Ni	ng/g	<0.05
	Cu	ng/g	<0.05
	Zn	ng/g	<0.05
	V	ng/g	<0.05
Cl	Cl		<0.05

Company Profile

Shanghai Kemike Chemical Co., Ltd is staffed by trained personnel, combine many years experience in Gas industry .We supply cylinder gas, electronic gas, etc ., and the gas holder, panel, valves and fittings and other equipment, parts and engineering services to our customers in China and worldwide; The products are involved in various industrial fields, such as semiconductor chip, solar cell, LED, TFT-LCD, optical fiber, glass, laser, medicine , etc., Our mission is to partner with our global customers to provide support, solutions and quality products that are innovative,reliable, and safe.
Our products mainly include: H2, O2, N2, Ar, CO2, propane, acetylene, helium, laser mixed gas, SiH4, Sih2cl2, SiHCL3, SiCL4, NH3, CF4, NF3, SF6, HCL, N2O, doping mixed gas (TMB, PH3, B2H6) and other electronic gases.

Detailed Photos

Packaging & Shipping

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