

CO₂-Light, Petrochemical Origin

Art. ID	NIST-8563
Unit	set (2)
Deliverydetails	No Dangerous Good /not restricted

Description

This Reference Material (RM) is intended to provide carbon dioxide samples of known isotopic composition and uncertainty with ¹³C/¹²C and ¹⁸O/¹⁶O ratios expressed in parts per thousand relative difference from Vienna Pee Dee Belemnite (VPDB) or Vienna Standard Mean Ocean Water (VSMOW). NIST-RM-8563 is not certified, but their use allows comparability of stable carbon and oxygen isotope ratio data obtained by investigators in different laboratories, and provides a means to standardize laboratory gases with measurement traceability to an internationally accepted reference scale. An RM unit consists of two borosilicate glass tubes, each 9 mm in diameter and about 30 cm in length. Each tube contains approximately 400 μmol of gas and is labeled with a unique number.