



Product Specification

Chemical Name: Bromopentacarbonylrhenium(I)

CMI Product Code: 1017

CAS Number: 14220-21-4

Formula: $\text{Re}(\text{CO})_5\text{Br}$

Formula Weight: 406.16 g/mol

Theoretical Re%: 45.9%

PARAMETER	SPECIFICATION
Re Assay	45.9 ± 1.0%
Chemical Purity	> 96% (based on carbon %)
Microanalysis	Carbon: 14.8 ± 0.6%
Infrared Spectrum	Conforms to structure
Appearance	White to off-white crystalline solid
Storage	Store cold under an inert atmosphere

Reviewing Chemist: Dr. Bryan Frauhiger, Ph.D., Organometallic Technical Director: BEF

Specification Approval: Dr. Ernest Addo, Ph.D., Director of Quality & Analytical Testing: EA

Release Date: May 1st, 2023

Revision Level: 0

Colonial Metals warrants, that at the time of product release this product conformed to the information contained on this specification sheet. Purchaser must determine the suitability of the product for its particular use.