



Product Specification

Chemical Name: Pentacarbonyliodorhenium(I)

CMI Product Code: 1028

CAS Number: 13821-00-6

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

Formula Weight: 453.16 g/mol

Theoretical Re%: 45.1%

PARAMETER

SPECIFICATION

Re Assay	$45.1 \pm 1.0 \%$
Chemical Purity	$\geq 98\%$ (based on C%)
Microanalysis	Carbon: $13.3 \pm 0.3\%$
Infrared Spectrum	Conforms to structure
Appearance	White to off-white solid

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

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

Specification Revision Date: December 8th, 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.