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FOR RESEARCH & DEVELOPMENT

Laboratory Chemicals for Research and Development

Not for direct use in food, cosmetics and or pharmaceuticals.

Certificate of Analysis

Palladium on calcium carbonate, 5.09% as Pd, Certified® Catalyst

Catalog: CC7440053-10GM
Purity: 5.9% as Pd
Grade: Certified® Catalyst
CAS: 7440-05-3
Lot: TCI07082018.1734
Retest: 07/2023

TEST	RESULTS
Appearance	gray powder
Assay	(dry basis, as Pd) 4.09%
Boiling point	2963°C
Density	12.02
Extent of labeling	5 wt. % loading
Flash point	-°C
Formula	C2CaO6Pd
Identification	(ICP assay) confirms palladium, calcium and lead components
Lead	2.72%
Matrix	calcium carbonate support, poisoned with lead
Melting point	1554°C
Molecular weight	266.5
Pore volume	0.38 cc/g
Reaction suitability	(core: palladium, reaction type: catalyst): Heck reaction; Hiyama coupling; Negishi coupling; Sonogashira coupling; Stille coupling; Suzuki-Miyaura coupling; Buchwald-Hartwig cross coupling
Refractive index	-
Solubility	aqua regia
Solubility in water	insoluble
Surface area	5-10 m2/g

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