

Hindustan Platinum

One-stop
Solution for all your
PGM Catalyst needs



Heterogeneous Catalysts



Homogeneous Catalysts



Salts And Solutions



Pharmaceuticals
API & It's Intermediates



Agrochemicals



Flavours & Fragrance



Speciality & Fine Chemicals



REFINING SERVICES | CATALYST & CHEMICALS | ELECTRICAL CONTACTS | NITRO TECHNOLOGIES | ENGINEERED PRODUCTS

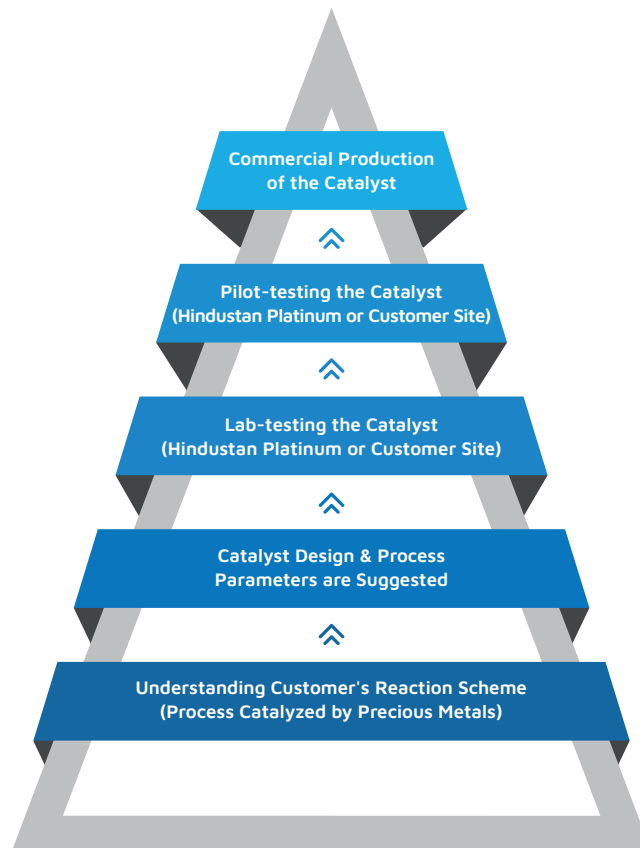


Founded in 1961, Hindustan Platinum has emerged as a premier manufacturer and refiner of precious metal products that find versatile industrial applications. Over six decades, Hindustan Platinum has cultivated a substantial customer base spanning across India, the USA, Europe, the UK, and Asia. With a global reach, the company has established itself as a key player in the precious metal products, processes, and services industry, offering a comprehensive spectrum from catalyst manufacturing to PGM refinery.

Hindustan Platinum oversees the retrieval of precious metals, starting from the moment we receive used catalysts until we deliver the recovered metals. We conduct a monthly inventory assessment for our clients, enabling them to stay informed about their stock levels. This approach also grants our clients the flexibility to utilize the provided metal for various applications, subsequently reducing the stock they need to maintain on their premises.

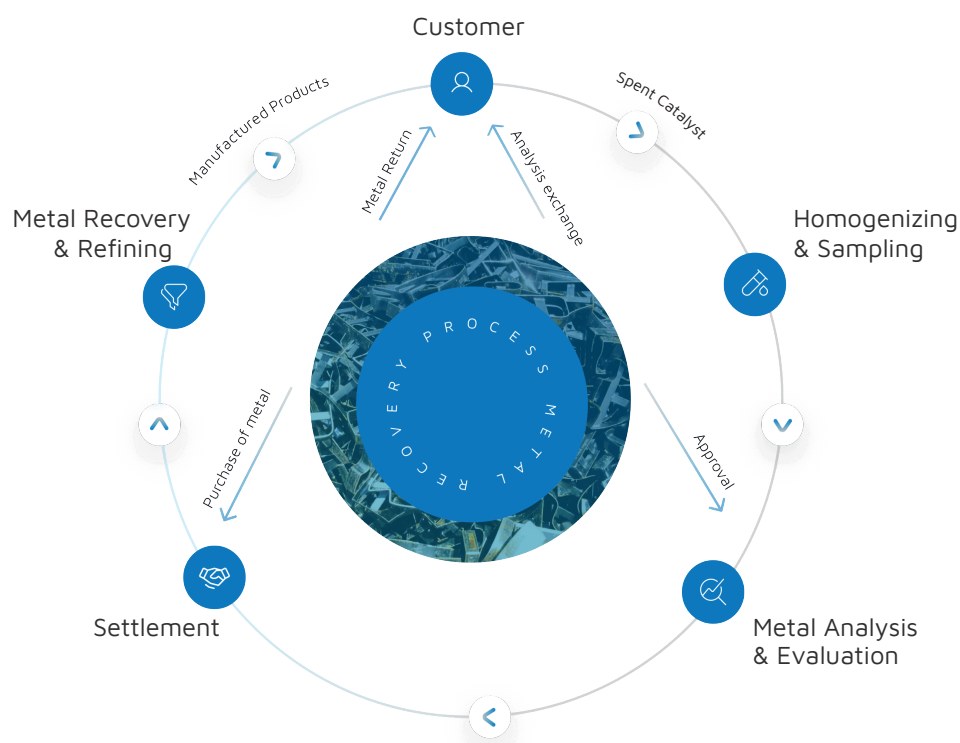
Catalyst Development Process

Hindustan Platinum collaborates closely with customers while maintaining strict confidentiality to create products that align with market demands. The catalyst development process is outlined below.



Recovery Cycle of Precious Metals

Hindustan Platinum monitors recovery of precious metals, from the time we receive used catalysts to the time we supply back recovered metals. A monthly check-up of the client's inventory allows customers to be up to date with their stock. This also gives clients, the flexibility to use the given metal for multiple products thereby reducing stock held at their end.





Hindustan Platinum



Precious Metal
Heterogeneous
Catalyst

Heterogeneous Catalysts

Sr. No.	Reaction	Grade	Description
01	C-C bonds hydrogenation, Double bonds, Triple bonds	RD-92	1%, 2.5%, 5%, 10% Pd/C
		RD-162	2%, 5% Pd/C
		RD-203	2.5%, 5%, 10% Pd/C
		RD-253	5%, 10% Pd/C
		RD-306	5%, 10% Pd/C
		RD-343	2.5%, 5%, 10% Pd/C
		RD-484	5%, 10% Pd/C
		RD-501	5%, 10% Pd/C
		RD-629	5%, 10% Pd/C
		RD-718	5%, 10% Pd/C
		RD-841	5%, 10% Pd/C
		C-1015/A I, (10)	5%, 10% Pd/C
		C-1015/C III, (10, 20)	5%, 10%, 20% Pd/C
		C-1025/A I, (10)	5%, 10% Pd/C
		RD-1403(1,2,4,R7,8)	5%, 10% Pd/C
		RD-1404 (2)	5%, 10% Pd/C
		RD-1406 (5)	5%, 10% Pd/C
		RD-1406 (2)	2.5%, 10% Pd/C
		RD-1407 (1,4,5,7)	5%, 10% Pd/C
		RD-236	3%, 5% Pt/C
		RD-451	1%, 2%, 5% Pt/C
		RD-709	3% Pt/C
		RD-741(A)	5% Pt/C
		C-3025/LM	5% Pt/C
		RD-1129	1%, 2%, 5% Pt/C
		RD-1317 T,(2) T(3)(9)/A	1%, 5% Pt/C
		RD-1670	10% Pt/C
		RD-1871	5% Rh/C
		RD-1365	10% Rh/C
02	C-N bonds hydrogenation, Nitriles, Imines, Hydrazones, Oximes	RD-92	1%, 2.5%, 5%, 10% Pd/C
		RD-162	2%, 5% Pd/C
		RD-203	2.5%, 5%, 10% Pd/C
		RD-253	5%, 10% Pd/C
		RD-306	5%, 10% Pd/C
		RD-343	2.5%, 5%, 10% Pd/C
		RD-484	5%, 10% Pd/C
		RD-501	5%, 10% Pd/C
		RD-629	5%, 10% Pd/C
		RD-718	5%, 10% Pd/C
		RD-841	5%, 10% Pd/C
		C-1015/A I, (10)	5%, 10% Pd/C
		C-1015/C III, (10, 20)	5%, 10%, 20% Pd/C
		C-1025/A I, (10)	5%, 10% Pd/C
		RD-1403(1,2,4,R7,8)	5%, 10% Pd/C
		RD-1404 (2)	5%, 10% Pd/C
		RD-1406 (5)	5%, 10% Pd/C
		RD-1406 (2)	2.5%, 10% Pd/C
		RD-1407 (1,4,5,7)	5%, 10% Pd/C

Sr. No.	Reaction	Grade	Description
03	C=O bond hydrogenation Aromatic aldehydes, Aromatic ketones	RD-92	1%, 2.5%, 5%, 10% Pd/C
		RD-162	2%, 5% Pd/C
		RD-203	2.5%, 5%, 10% Pd/C
		RD-253	5%, 10% Pd/C
		RD-306	5%, 10% Pd/C
		RD-343	2.5%, 5%, 10% Pd/C
		RD-484	5%, 10% Pd/C
		RD-501	5%, 10% Pd/C
		RD-629	5%, 10% Pd/C
		RD-718	5%, 10% Pd/C
		RD-841	5%, 10% Pd/C
		C-1015/A I, (10)	5%, 10% Pd/C
		C-1015/C III, (10, 20)	5%, 10%, 20% Pd/C
		C-1025/A I, (10)	5%, 10% Pd/C
		RD-1403(1,2,4,R7,8)	5%, 10% Pd/C
		RD-1404 (2)	5%, 10% Pd/C
		RD-1406 (5)	5%, 10% Pd/C
		RD-1406 (2)	2.5%, 10% Pd/C
		RD-1407 (1,4,5,7)	5%, 10% Pd/C
04	C=O bond hydrogenation, Aliphatic	RD-236	3%, 5% Pt/C
		RD-451	1%, 2%, 5% Pt/C
		RD-709	3% Pt/C
		RD-741(A)	5% Pt/C
		C-3025/LM	5% Pt/C
		RD-1129	1%, 2%, 5% Pt/C
		RD-1317 T,(2) T(3)(9)/A	1%, 5% Pt/C
		RD-1670	10% Pt/C
		RD-1375	5% Ru/C
		RD-1376	5% Ru/C
05	Reductive alkylation/ Amination	RD-343	2.5%, 5%, 10% Pd/C
		RD-841	5%, 10% Pd/C
		C-1015/C III, (10, 20)	5%, 10%, 20% Pd/C
		RD-1403(1,2,4,R7,8)	5%, 10% Pd/C
		RD-1404 (2)	5%, 10% Pd/C
		RD-1406 (5)	5%, 10% Pd/C
		RD-1406 (2)	2.5%, 10% Pd/C
		RD-1407 (1,4,5,7)	5%, 10% Pd/C
		RD-236	3%, 5% Pt/C
		RD-451	1%, 2%, 5% Pt/C
		RD-709	3% Pt/C
		RD-741(A)	5% Pt/C
		C-3025/LM	5% Pt/C
		RD-1129	1%, 2%, 5% Pt/C
		RD-1317 T,(2) T(3)(9)/A	1%, 5% Pt/C
		RD-1670	10% Pt/C

Sr. No.	Reaction	Grade	Description
06	Nitro / Nitroso group hydrogenation	RD-92	1%, 2.5%, 5%, 10% Pd/C
		RD-162	2%, 5% Pd/C
		RD-203	2.5%, 5%, 10% Pd/C
		RD-253	5%, 10% Pd/C
		RD-306	5%, 10% Pd/C
		RD-343	2.5%, 5%, 10% Pd/C
		RD-484	5%, 10% Pd/C
		RD-501	5%, 10% Pd/C
		RD-629	5%, 10% Pd/C
		RD-718	5%, 10% Pd/C
		RD-841	5%, 10% Pd/C
		C-1015/A I, (10)	5%, 10% Pd/C
		C-1015/C III, (10, 20)	5%, 10%, 20% Pd/C
		C-1025/A I, (10)	5%, 10% Pd/C
		RD-1403(1,2,4,R7,8)	5%, 10% Pd/C
		RD-1404 (2)	5%, 10% Pd/C
		RD-1406 (5)	5%, 10% Pd/C
		RD-1406 (2)	2.5%, 10% Pd/C
		RD-1407 (1,4,5,7)	5%, 10% Pd/C
		RD-236	3%, 5% Pt/C
		RD-451	1%, 2%, 5% Pt/C
		RD-709	3% Pt/C
		RD-741(A)	5% Pt/C
		C-3025/LM	5% Pt/C
		RD-1129	1%, 2%, 5% Pt/C
		RD-1317 T,(2) T(3)(9)/A	1%, 5% Pt/C
		RD-1670	10% Pt/C
07	Debenzylation/ Hydrogenolysis O-Debenzylation, N-Debenzylation, Cbz-(Z) Deprotection	RD-92	1%, 2.5%, 5%, 10% Pd/C
		RD-162	2%, 5% Pd/C
		RD-203	2.5%, 5%, 10% Pd/C
		RD-253	5%, 10% Pd/C
		RD-306	5%, 10% Pd/C
		RD-343	2.5%, 5%, 10% Pd/C
		RD-484	5%, 10% Pd/C
		RD-501	5%, 10% Pd/C
		RD-629	5%, 10% Pd/C
		RD-718	5%, 10% Pd/C
		RD-841	5%, 10% Pd/C
		C-1015/A I, (10)	5%, 10% Pd/C
		C-1015/C III, (10, 20)	5%, 10%, 20% Pd/C
		C-1025/A I, (10)	5%, 10% Pd/C
		RD-1403(1,2,4,R7,8)	5%, 10% Pd/C
		RD-1404 (2)	5%, 10% Pd/C
		RD-1406 (5)	5%, 10% Pd/C
		RD-1406 (2)	2.5%, 10% Pd/C
		RD-1407 (1,4,5,7)	5%, 10% Pd/C

Sr. No.	Reaction	Grade	Description
08	Heteroaromatics	RD-213	5%, 10% Pd/C
		C-1015/A I, (10)	5%, 10% Pd/C
		C-1015/C III, (10, 20)	5%, 10%, 20% Pd/C
		C-1025/A I, (10)	5%, 10% Pd/C
		RD-1403(1,2,4,R7,8)	5%, 10% Pd/C
		RD-1404 (2)	5%, 10% Pd/C
		RD-1406 (5)	5%, 10% Pd/C
		RD-1406 (2)	2.5%, 10% Pd/C
		RD-1407 (1,4,5,7)	5%, 10% Pd/C
		RD-1375	5% Ru/C
		RD-1376	5% Ru/C
09	Aromatic hydrogenation	RD-343	2.5%, 5%, 10% Pd/C
		C-1015/A I, (10)	5%, 10% Pd/C
		C-1015/C III, (10, 20)	5%, 10%, 20% Pd/C
		C-1025/A I, (10)	5%, 10% Pd/C
		RD-1403(1,2,4,R7,8)	5%, 10% Pd/C
		RD-1404 (2)	5%, 10% Pd/C
		RD-1406 (5)	5%, 10% Pd/C
		RD-1406 (2)	2.5%, 10% Pd/C
		RD-1871	5% Rh/C
		RD-1365	10% Rh/C
		RD-1375	5% Ru/C
		RD-1376	5% Ru/C
10	Halonitroaromatics Hydrogenation	RD-343	2.5%, 5%, 10% Pd/C
		RD-236	3%, 5% Pt/C
		RD-451	1%, 2%, 5% Pt/C
		RD-709	3% Pt/C
		RD-741(A)	5% Pt/C
		C-3025/LM	5% Pt/C
		RD-1129	1%, 2%, 5% Pt/C
		RD-1317 T,(2) T(3)(9)/A	1%, 5% Pt/C
		RD-1670	10% Pt/C
		RD-1375	5% Ru/C
		RD-1376	5% Ru/C
11	Dehydrogenation	RD-162	2%, 5% Pd/C
		RD-484	5%, 10% Pd/C
		RD-501	5%, 10% Pd/C
		RD-629	5%, 10% Pd/C
		RD-718	5%, 10% Pd/C
		C-1015/A I, (10)	5%, 10% Pd/C
		C-1025/A I, (10)	5%, 10% Pd/C
12	Dehalogenation	RD-484	5%, 10% Pd/C
		RD-501	5%, 10% Pd/C
		RD-629	5%, 10% Pd/C
		RD-718	5%, 10% Pd/C
		RD-841	5%, 10% Pd/C
		C-1015/A I, (10)	5%, 10% Pd/C
		C-1015/C III, (10, 20)	5%, 10%, 20% Pd/C
		C-1025/A I, (10)	5%, 10% Pd/C

Sr. No.	Reaction	Grade	Description
13	Selective reduction	RD-559	5% Pd/C
		C-1025/C III, (10)	5%, 10% Pd/C
		RD-355	5% Pd/CaCO ₃
		RD-1914	5% Pd/CaCO ₃
		LINDLAR	5% Pd Pb/CaCO ₃
		-	5% Pd/BaSO ₄
		RD-1765(W)	5% Pd/Al ₂ O ₃
		RD-1667	4% Pd 1% Pt 5% Bi/C
		RD-14	2% Pt /SiO
		RD-2001	5% Pt/Al ₂ O ₃
		RD-283 (A)	5% Pt/Graphite
		RD-8	5% Rh/Al ₂ O ₃
		RD-2097	5% Ru/Al ₂ O ₃
		RD-2098	5% Ru/Al ₂ O ₃
14	Nitro reduction	RD-4173	5% Pd/Carbon
		RD-4112	5% Pt/Carbon
		RD-4089	5% Pd/Carbon
		RD-4113	10% Pd/Carbon
		RD-4114	10% Pt/Carbon
		RD-4183	10% Pd/Carbon
		RD-4188	10% Pd/Carbon pellet
		RD-4189	5% Pd/Carbon Pellet
		RD-4243	4.5%Pd, 0.5% Pt & 5% Fe/Carbon
		RD-4244	4.5%Pd, 0.5% Pt & 5% Fe/Carbon
		RD-4093	5% Pd/Carbon
15	Nitrile reduction	RD-4093	5% Pd/Carbon
		RD-4173	5% Pd/Carbon
		RD-4256	10% Pd/Carbon
		RD-4255	5% Pd/Carbon
16	Nitro reduction without Dehalogenation	RD-4114	10% Pt/Carbon
		RD-4138	3% Pt/Carbon
		RD-4112	5% Pt/Carbon
		RD-4142	5% Pd & 1% Ru/Carbon
		RD-4144	5% Pd & 1% Ru/Carbon
17	Nitrazo reduction	RD-4256	10% Pd/Carbon
		RD-4172	5% Pt/Carbon
18	Carbonyl Reduction	RD-4089	5% Pd/Carbon
		RD-4105	5% Pd/Carbon
		RD-4136	5% Pd/Carbon
		RD-4246	7.5% Pd/Carbon
		RD-4249	10% Pd/Carbon
		RD-4150	5% Pd/Carbon Pellet
		RD-4239	5% Re/Carbon
19	Debenzylation & Nitro reduction	RD-4095	10% Pd/Carbon
20	Double bond & Ketone reduction	RD-4218	5% Pt/Carbon
		RD-4225	5% Pt/Carbon
		RD-4242	5% Pt/Carbon
21	Pyridine ring reduction	RD-4102	10% Pt/Carbon
		RD-4218	5% Pt/Carbon
22	Imine or imiono ether reduction	RD-4014	5% Pt/Carbon
		RD-4017	5% Pt/Carbon
		RD-4030	5% Pd/Alumina Powder
		RD-4181	10% Pd/Alumina Powder

Sr. No.	Reaction	Grade	Description
23	Reductive amination	RD-4089	5% Pd/Carbon
		RD-4095	10% Pd/Carbon
		RD-4256	10% Pd/Carbon
		RD-4030	5% Pd/Alumina Powder
		RD-4255	5% Pd/Carbon
		RD-4155	2.5% Ru/Alumina Powder
		RD-4156	5% Ru/Alumina Powder
		RD-4157	10% Ru/Alumina Powder
		RD-4112	5% Pt/Carbon
24	Bamberger Rearrangement	RD-4268	1% Pt/Carbon
		RD-4086	1.5% Pt/Carbon
		RD-4093	5% Pd/Carbon
		RD-4065	0.7% Pt/Carbon
		RD-4032	1% Pt/Carbon
		RD-4268	1% Pt/Carbon
		RD-4085	5% Pt/Carbon
		RD-4101	10% Pt/Carbon
		RD-4113	10% Pd/Carbon
25	Coupling Reaction (Suzuki and Heck)	RD-4095	10% Pd/Carbon
		RD-4161	10% Pd/Carbon
		RD-4273	5% Pd/Carbon
26	Debenzylation	RD-4153	5% Pd/Carbon
		RD-4099	3% Pd/Carbon
		RD-4092	3% Pd/Carbon
		RD-4094	5% Pd/Carbon
		RD-4095	10% Pd/Carbon
		RD-4161	10% Pd/Carbon
		RD-4273	5% Pd/Carbon
		RD-4182	10% Pd/Carbon
		RD-4188	10% Pd/Carbon Pellet
		RD-4194	5% Pd/Carbon Pellet
		RD-4216	2.5% Pd/Carbon
		RD-4183	10% Pd/Carbon
27	Double debenzylaton	RD-4161	10% Pd/Carbon
		RD-4182	10% Pd/Carbon
		RD-4183	10% Pd/Carbon
		RD-4191	10% Pd/Carbon
		RD-4095	10% Pd/Carbon
		RD-4216	2.5% Pd/Carbon
		RD-4188	10% Pd/Carbon Pellet
28	Pearlman Catalyst	RD-4235	5% Pd(OH) ₂ /Carbon
		RD-4236	10% Pd(OH) ₂ /Carbon
		RD-4237	20% Pd(OH) ₂ /Carbon
		RD-4238	20% Pd(OH) ₂ /Carbon
29	Alkyne hydrogenation	RD-4250	5% Pd/Calcium Carbonate
		RD-4272	5% Pt/Calcium Carbonate
		RD-4163	5% Pd/Calcium Carbonate
		RD-4174	5% Pt/Carbon
		RD-4258	5% Pd/Calcium Carbonate
		RD-4260	5% Pd/Carbon
		RD-4214	5% Pd/Carbon
		RD-4215	3% Pd/Carbon

Sr. No.	Reaction	Grade	Description
30	Aliphatic double bond reduction (alkene to alkane)	RD-4204	5% Pd/Carbon
		RD-4163	5% Pd/Calcium Carbonate
		RD-4251	5% Pd/Calcium Carbonate
		RD-4205	5% Pd/Carbon
		RD-4207	5% Pd/Carbon
31	Aromatic side chain reduction	RD-4174	5% Pt/Carbon
		RD-4214	5% Pd/Carbon
32	Ring reduction and Isomerisation	RD-4201	2.5% Ru & 1% Re/Alumina Extrudate
		RD-4217	5% Ru/Alumina Extrudate
		RD-4231	2% Ru & 0.5% Rh/Alumina Extrudate
		RD-4154	1% Ru/Alumina Powder
		RD-4240	4% Ru & 1% Rh/Alumina Extrudate
33	Dehalogenation	RD-4193	5% Pd/Carbon
		RD-4195	5% Pd/Carbon
		RD-4257	5% Pd/Carbon
		RD-4256	10% Pd/Carbon
34	Long Chain De-protection	RD-4255	5% Pd/Carbon
		RD-4153	5% Pd/Carbon
35	Partial dehalogenation	RD-4232	0.5% Pd/Carbon Pellet
		RD-4233	0.5% Pd/Carbon Pellet
36	Ring hydrogenation	RD-4181	10% Pd/Alumina Powder
		RD-4156	5% Ru/Alumina Powder
		RD-4095	10% Pd/Carbon
		RD-4184	5% Pd/Carbon
		RD-4091	5% Ru/Carbon
		RD-4115	5% Ru/Carbon
		RD-4116	10% Ru/Carbon
		RD-4213	10% Pd/Carbon
		RD-4063	5% Rh/Alumina Powder
		RD-4117	5% Rh/Carbon
		RD-4220	1% Rh/Carbon
		RD-4221	1% Ru/Carbon
		RD-4257	5% Pd/Carbon
		RD-4256	10% Pd/Carbon
		RD-4267	10% Rh/Carbon
37	Double ring hydrogenation	RD-4177	2.5% Ru/Alumina Extrudate
		RD-4178	2.5% Ru/Alumina Extrudate
		RD-4179	2.5% Ru/Alumina Extrudate
		RD-4180	2.5% Ru/Alumina Extrudate
		RD-4201	2.5% Ru & 1% Re/Alumina Extrudate
		RD-4240	4% Ru & 1% Rh/Alumina Extrudate
		RD-4217	5% Ru/Alumina Extrudate
		RD-4231	2% Ru & 0.5% Rh/Alumina Extrudate
38	Single ring hydrogenation	RD-4256	10% Pd/Carbon
		RD-4194	5% Pd/Carbon Pellet
		RD-4095	10% Pd/Carbon
		RD-4181	10% Pd/Alumina Powder
		RD-4117	5% Rh/Carbon
		RD-4156	5% Ru/Alumina Powder

Sr. No.	Reaction	Grade	Description
39	Deuterium Chemistry (Need to use in Dry form)	RD-4014	5% Pt/Carbon
		RD-4017	5% Pt/Carbon
		RD-4114	10% Pt/Carbon
40	Dehydrogenation	RD-4194	5% Pd/Carbon Pellet
		RD-4269	0.5% Pt/Alumina Extrudate
		RD-4270	0.5% Pt/Alumina Extrudate
		RD-4271	0.5% Pt/Alumina Extrudate
		RD-4277	0.5% Pt/Alumina Extrudate
		RD-4279	0.5% Pt/Alumina Extrudate
		RD-4209	5% Pd/Carbon Pellet
41	Styrene oxide Saturation	RD-4184	5% Pd/Carbon
		RD-4211	5% Pd/Carbon
		RD-4224	5% Pd/ Alumina Extrudate
42	Zeolite supported catalysts	RD-4025	5% Pd/Zeolite
		RD-4028	5% Pd/Zeolite
43	Aliphatic double bond and Carbonyl Reduction	RD-4147	3% Pd & 6% Re/Carbon
		RD-4148	3% Pd & 6% Re/Carbon
44	Curcumin to Tetrahydro curcumin	RD-4222	10% Pd/Carbon
45	Rosenmund Reduction	RD-4265	5% Pd/Barium Sulphate
		RD-4274	5% Pd/Barium Carbonate
		RD-4280	5% Pd/Barium Sulphate



Hindustan Platinum



Precious Metal
Homogeneous
Catalyst

Platinum Homogeneous Catalyst

Sr. No.	Product Name	CAS	Mol. Form	Mol. Wt.	% Metal Content	Properties
01	Tetrakis (triphenyl phosphine) platinum (O)	14221-02-4	$C_{72}H_{60}P_4Pt$	1244.21	15.68%	Air, light, heat & moisture sensitive
02	Tris (dibenzylideneacetone) platinum (O)	11072-92-7	$C_{51}H_{42}O_3Pt$	897.96	21.70%	Air sensitive
03	Platinum (II) Acetyl Acetonate	15170-51-7	$C_{10}H_{14}O_4Pt$	393.3	49.60%	
04	Hydrogen hexahydroxyplatinate (IV)	51850-20-5	H_3O_6Pt	299.14	65.21%	Heat sensitive
05	Dichloro (1,5-cyclooctadiene) platinum (II)	12080-32-9	$C_8H_{12}Cl_2Pt$	374.16	52.13%	

Palladium Homogeneous Catalyst

Sr. No.	Product Name	CAS	Mol. Form	Mol. Wt.	% Metal Content	Properties
01	Dichloro Bis (Acetonitrile) palladium (II)	14592-56-4	$C_4H_6Cl_2N_2Pd$	259.43	41.01%	Heat sensitive
02	1,1'-Bis (Diphenylphosphino) Ferrocenepalladium(II)	72287-26-4	$C_{34}H_{28}Cl_2FeP_2Pd$	731.7	14.54%	Heat sensitive
03	1,1'-Bis (Diphenylphosphino) Ferrocenepalladium(II) Dichloromethane complex	95464-05-4	$C_{35}H_{30}Cl_4FeP_2Pd$	816.64	13.02%	Heat sensitive
04	Bis (Dibenzylideneacetone) palladium (O)	32005-36-0	$C_{34}H_{28}O_2Pd$	575.02	18.50%	Air, heat & moisture sensitive
05	Tris (Dibenzylideneacetone) - Dipalladiumchloroform adduct	52522-40-4	$C_{52}H_{43}Cl_3O_3Pd_2$	1035.1	20.55%	
06	Tris (DiBenzylideneacetone) Dipalladium (O)	51364-51-3 52409-22-0	$C_{51}H_{42}O_3Pd_2$	915.72	23.23%	Air and moisture sensitive
07	Dichloro Bis(Triphenyl phosphine) Palladium(II) dichloride	13965-03-2	$C_{36}H_{30}Cl_2P_2Pd$	701.9	15.15%	
08	Tetrakis(triphenyl phosphine) Palladium(O)	14221-01-3	$C_{72}H_{60}P_4Pd$	1155.56	9.20%	Air, light and heat sensitive
09	Bis (Benzonitrile) palladium(II) Chloride	14220-64-5	$C_{14}H_{10}Cl_2N_2Pd$	383.57	27.73%	Heat sensitive
10	Palladium (II) acetyl acetonate	14024-61-4	$C_{10}H_{14}O_4Pd$	304.64	34.92%	Heat sensitive
11	Palladium Acetate	3375-31-3	$C_4H_6O_4Pd$	224.51	47.40%	Heat sensitive
12	Dichloro Bis (Ditertbutyl phenyl phosphine) palladium (II)	34409-44-4	$C_{28}H_{46}Cl_2P_2Pd$	621.94	17.10%	Air, light and heat sensitive
13	Dichloro [9,9-dimethyl-4,5-bis (diphenylphosphino) xanthene] palladium	205319-10-4	$C_{39}H_{32}Cl_2OP_2Pd$	755.94	14.07%	Air, light and heat sensitive
14	Dichloro [1,1-Bis (Ditertbutyl phosphinoferrocene) palladium (II)	95408-45-0	$C_{26}H_{44}Cl_2P_2FePd$	651.75	16.32%	Air, light and heat sensitive
15	Allyl Palladium (II) Chloride Dimer	12012-95-2	$C_6H_{10}Cl_2Pd_2$	365.85	58.15%	Heat sensitive
16	Bis Tri tertbutyl Phosphine Pd (O)	53199-31-8	$C_{24}H_{54}P_2Pd$	511.05	20.81%	Air, light and heat sensitive
17	Dichloro (1,5-Cyclooctadine) Palladium (II)	12107-56-1	$C_8H_{12}Cl_2Pd$	285.51	37.26%	Hygroscopic
18	Dibromo (1,5-Cyclooctadine) Palladium (II)	12145-47-0	$C_8H_{12}Br_2Pd$	374.41	28.40%	Air, light and heat sensitive
19	[1,2-Bis (diphenylphosphino) ethane] dichloropalladium (II)	19978-61-1	$C_{26}H_{24}Cl_2P_2Pd$	575.74	18.40%	Hygroscopic
20	trans -Benzyl (chloro) bis (triphenylphosphine) palladium (II)	22784-59-4	$C_{43}H_{37}ClP_2Pd$	757.58	14.04%	Heat Sensitive

Palladium Homogeneous Catalyst

Sr. No.	Product Name	CAS	Mol. Form	Mol. Wt.	% Metal Content	Properties
21	Bis [1,2- bis (diphenylphosphino) ethane] palladium(0)	31277-98-2	C ₅₂ H ₄₈ P ₄ Pd	903.25	11.77%	Air, light and heat sensitive
22	(1,3 - Bis (diphenylphosphino) propane) palladium(II) chloride	59831-02-6	C ₂₇ H ₂₆ Cl ₂ P ₂ Pd	589.77	18.04%	Air sensitive
23	1,4 - Bis(diphenylphosphino) butanepalladium(II) chloride	29964-62-3	C ₂₈ H ₂₈ Cl ₂ P ₂ Pd	603.8	17.60%	Air, and moisture sensitive
24	2,5-Norbornadiene Palladium (II) Dichloride	12317- 46-3	C ₇ H ₈ Cl ₂ Pd	269.4	39.40%	Air sensitive
25	Palladium(II) trifluoroacetate	42196-31- 6	(CF ₃ COO) ₂ Pd	332.45	32.01%	Heat and moisture sensitive
26	[(R) - (+) - 2,2' - Bis (diphenylphosphino) - 1,1' - binaphthyl]palladium(II) chloride	115826-95-4	C ₄₄ H ₃₂ Cl ₂ P ₂ Pd	800	13.30%	Air sensitive
27	Dichlorobis(tricyclohexylphosphine) palladium(II)	29934-17-6	C ₃₆ H ₆₆ Cl ₂ P ₂ Pd	738.18	14.40%	Air, and moisture sensitive
28	Dichlorobis(tri -o- tolylphosphine) palladium(II)	40691-33-6	C ₄₂ H ₄₂ Cl ₂ P ₂ Pd	786.06	13.53%	Air, heat and moisture sensitive
29	Dichloro[1,1'- bis(diphenylphosphino) ferrocene] palladium(II), complex with acetone	851232-71-8	C ₃₄ H ₂₈ Cl ₂ FeP ₂ Pd. (CH ₃) ₂ CO	787.81	13.50%	Heat sensitive
30	Pd(Amphos) ₂ Cl ₂	887919-35-9	C ₃₂ H ₅₆ Cl ₂ N ₂ P ₂ Pd	708.07	15.02%	Heat sensitive
31	Palladium(π- cinnamyl) chloride dimer	12131- 44-1	C ₁₈ H ₁₈ Cl ₂ Pd ₂	518.08	41.00%	Air & heat sensitive
32	Dichloro[Bis(2 - (Diphenyl phosphino) ether) Palladium (II)]	205319-06-8	C ₃₆ H ₂₈ Cl ₂ OP ₂ Pd	715.88	14.86%	Air, and moisture sensitive
33	Chloro (Tri Tert Butylphosphin) (2 -Amino - 1,1- biphenyl - 2- I) Palladium(II)	1375325-71-5	C ₂₄ H ₃₇ ClNPPd	512.4	20.76%	Air sensitive
34	Bis (triphenylphosphine) palladium(II) acetate	14588-08-0	C ₄₀ H ₃₆ O ₄ P ₂ Pd	749.09	14.20%	Heat sensitive
35	Dichloro[(R)-(-)-2,2'-bis (diphenylphosphino)-1,1'- binaphthyl] palladium(II)	115826-95-4	C ₄₄ H ₃₂ Cl ₂ P ₂ Pd	800	13.30%	Air & heat sensitive
36	Dichloro[(S)-(-)-2,2'-bis (diphenylphosphino)-1,1'-binaphthyl] palladium(II)	127593-28- 6	C ₄₄ H ₃₂ Cl ₂ P ₂ Pd	800	13.30%	Air & heat sensitive

Rhodium Homogeneous Catalyst

Sr. No.	Product Name	CAS	Mol. Form	Mol. Wt.	% Metal Content	Properties
1	Rhodium (II) Octanate	73482- 96-9	C ₃₂ H ₆₀ O ₈ Rh ₂	778.63	26.43%	
2	Rhodium (II) Acetate	15956- 28-2	C ₈ H ₁₂ O ₈ Rh ₂	441.99	46.56%	
3	Chlorotris(triphenylphosphine) rhodium (I) (Wilkinson Catalyst)	14694- 95-2	C ₅₄ H ₄₅ ClP ₃ Rh	925.23	11.12%	Air & heat sensitive
4	1,5 - Cyclooctadiene Rhodium(I)Chloride dimer (98%)	12092- 47-6	C ₁₆ H ₂₄ Cl ₂ Rh ₂	493.08	40.99%	
5	Rhodium Norbornadiene Dichloride	12257- 42-0	C ₁₄ H ₁₆ Cl ₂ Rh ₂	460.99	44.64%	Air, and moisture sensitive
6	Rhodium Norbornadiene Trifluoroborate	36620- 11-8	C ₁₄ H ₁₆ RhBF ₄	373.99	27.51%	Air, and moisture sensitive
7	Hydridotetrakis(triphenylphosphine) Rhodium	18284- 36-1	C ₇₂ H ₆₁ P ₄ Rh	1153.12	8.90%	
8	Bis (1,5 - cyclooctadiene) rhodium(I) tetrafluoroborate	35138- 22-8	C ₁₆ H ₂₄ BF ₄ Rh	406.07	25.33%	Air, and moisture sensitive
9	Dichloro(pentamethylcyclopentadienyl) rhodium (III) dimer	12354- 85-7	C ₂₀ H ₃₀ Cl ₄ Rh ₂	618.08	33.30%	
10	Carbonylchlorobis(triphenylphosphine) rhodium(I)	13938- 94-8	C ₃₇ H ₃₀ ClOP ₂ Rh	690.94	14.90%	Heat sensitive
11	Bis (cyclooctadiene) dihydroxo di rhodium	73468- 85- 6	C ₁₆ H ₂₆ O ₂ Rh ₂	456.19	45.11%	Air, and moisture sensitive
12	Tris triphenylphosphine rhodium carbonyl hydride(RODRIDO)	17185- 29- 4	C ₅₅ H ₄₆ OP ₃ Rh	918.8	11.20%	Air, and moisture sensitive

Sr. No.	Product Name	CAS	Mol. Form	Mol. Wt.	% Metal Content	Properties
13	Acetylacetonato dicarbonyl rhodium (I) (CARAC)	14874- 82- 9	C ₇ H ₇ O ₄ Rh	258.04	39.90%	Air sensitive
14	Carbonyl - 2,4 - pentandionato triphenylphosphine Rhodium(I) (ROPAC)	25470- 96- 6	C ₂₄ H ₂₂ O ₃ PRh	493.32	20.85%	Heat sensitive
15	Pentamethylatedcyclopentdiene Rhodium chloride (SS)TsDPEN	219944- 99- 7	C ₃₁ H ₃₆ N ₂ ClO ₂ SRh	639.06	16.10%	Heat sensitive
16	Pentamethylatedcyclopentdiene Rhodium chloride (RR)TsDPEN	223392- 99- 2	C ₃₁ H ₃₆ N ₂ ClO ₂ SRh	639.06	16.10%	Heat sensitive
17	Rhodium(III) acetylacetonate	14284- 92- 5	C ₁₅ H ₂₁ O ₆ Rh	400.23	25.71%	

Ruthenium Homogeneous Catalyst

Sr. No.	Product Name	CAS	Mol. Form	Mol. Wt.	% Metal Content	Properties
01	Ruthenium- p- Cymene Dimer	52462- 29- 0	C ₂₀ H ₂₈ Cl ₄ Ru ₂	612.39	33.00%	
02	Ruthenium Acetyl acetate	14284- 93- 6	C ₁₅ H ₂₁ O ₆ Ru	398.39	25.36%	Heat sensitive
03	Ruthenium- p- Cymene- s- Binap	130004- 33- 0	C ₅₄ H ₄₆ Cl ₂ P ₂ RuP	928.87	10.88%	Air, and moisture sensitive
04	RuCl(p- cymene)[(S,S) - Ts- DPEN]	192139- 90- 5	C ₃₁ H ₃₅ ClN ₂ O ₂ RuS	636.21	15.88%	Air, and moisture sensitive
05	RuCl(p- cymene)[(R,R) - Ts-DPEN]	192139- 92- 7	C ₃₁ H ₃₅ ClN ₂ O ₂ RuS	636.21	15.88%	Air, and moisture sensitive
06	Ruthenium(II) - tris (triphenylphosphine) dichloride	15529- 49- 4	C ₅₄ H ₄₅ Cl ₂ P ₃ Ru	958.83	10.50%	Air, and moisture sensitive
07	Dichloro(1,5 - cyclooctadiene) ruthenium(II), Po lymer	50982- 12- 2	C ₈ H ₁₂ Cl ₂ Ru	280.16	36.06%	Hygroscopic
08	Diacetato[(S) - (-) - 2,2 bis (diphenylphosphino) - 1,1'- binaphthyl] ruthenium(II)	261948- 85- 0	C ₄₈ H ₃₈ O ₄ P ₂ Ru	841.83	12.00%	Air, light, heat and moisture sensitive

Iridium Homogeneous Catalyst

Sr. No.	Product Name	CAS	Mol. Form	Mol. Wt.	% Metal Content	Properties
01	Iridium Methoxy cyclooctadiene dimer	12148- 71- 9	C ₁₈ H ₃₀ Ir ₂ O ₂	662.87	58.01%	Heat sensitive
02	Iridium cyclooctadiene dichloride dimer	12112- 67- 3	C ₇₂ H ₆₀ Cl ₂ Ir ₂	671.7	57.10%	Heat sensitive



Hindustan Platinum



Precious Metal
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Platinum

S.N.	Product Name	CAS	Mol.Form	Mol.Wt.	% Metal Content	Properties
01	Ammonium hexachloroplatinate(IV)	16919-58-7	$(\text{NH}_4)_2\text{PtCl}_6$	443.89	43.95	Slightly soluble in water
02	Ammonium tetrachloroplatinate(II)	13820-41-2	$(\text{NH}_4)_2\text{PtCl}_4$	372.98	52.29	Water
03	Dihydrogen hexachloroplatinate (IV)	26023-84-7	$\text{H}_2\text{PtCl}_6 \cdot 6\text{H}_2\text{O}$	409.82		Water, acetone, alcohol
04	Iodotrimethylplatinum(IV)	14364-93-3	$(\text{CH}_3)_3\text{PtI}$	367.09	53.1	
05	Platinum chloride (II)	10025-65-7	PtCl_2	266	73	HCl, NH_4OH
06	Platinum chloride (IV)	13454-96-1	PtCl_4	336.9	57.9	H_2O , HCl, a cetone
07	Platinum (IV)oxide	1314-15-4	$\text{PtO}_2 \cdot x\text{H}_2\text{O}$	227.09	80- 84	
08	Potassium tetrachloroplatinate	10025-99-7	K_2PtCl_4	415.11	46.99	Water
09	Sodium hexachloroplatinate (IV)	19583-77-8	$\text{Na}_2\text{PtCl}_6 \cdot 6\text{H}_2\text{O}$	453.79	34	Water, acetone, alcohol
10	Tetraammineplatinate (II) chloride	13933-32-9	$\text{Pt}(\text{NH}_3)_4\text{Cl}_2 \cdot \text{H}_2\text{O}$	334.11	55.4	Water
11	Platinum Nitrate Solution		$\text{Pt}(\text{NO}_3)_4$		100 - 300 gm /kg	Air, light and heat Sensitive
12	Karstedt catalyst 1% Pt solution in Toluene	68478-92-2	$\text{Si}[(\text{CH}_3)_2\text{CH} - \text{CH}_3]_2$		0.01	Air, light and heat Sensitive
13	Karstedt catalyst 3% Pt solution in Toluene	68478-92-2	$\text{Si}[(\text{CH}_3)_2\text{CH} - \text{CH}_3]_2$		0.03	Air, light and heat Sensitive
14	Karstedt catalyst 5% Pt solution in Toluene	68478-92-2	$\text{Si}[(\text{CH}_3)_2\text{CH} - \text{CH}_3]_2$		0.05	Air, light and heat Sensitive
15	Karstedt catalyst 1% Pt solution in Xylene	68478-92-2	$\text{Si}[(\text{CH}_3)_2\text{CH} - \text{CH}_3]_2$		0.01	Air, light and heat Sensitive
16	Karstedt catalyst 3% Pt solution in Xylene	68478-92-2	$\text{Si}[(\text{CH}_3)_2\text{CH} - \text{CH}_3]_2$		0.03	Air, light and heat Sensitive
17	Karstedt catalyst 5% Pt solution in Xylene	68478-92-2	$\text{Si}[(\text{CH}_3)_2\text{CH} - \text{CH}_3]_2$		0.05	Air, light and heat Sensitive
18	Karstedt catalyst 1% Pt solution in Hexane	68478-92-2	$\text{Si}[(\text{CH}_3)_2\text{CH} - \text{CH}_3]_2$		0.01	Air, light and heat Sensitive
19	Karstedt catalyst 3% Pt solution in Hexane	68478-92-2	$\text{Si}[(\text{CH}_3)_2\text{CH} - \text{CH}_3]_2$		0.03	Air, light and heat Sensitive
20	Karstedt catalyst 5% Pt solution in Hexane	68478-92-2	$\text{Si}[(\text{CH}_3)_2\text{CH} - \text{CH}_3]_2$		0.05	Air, light and heat Sensitive
21	Karstedt catalyst 2% Pt solution in Toluene	68478-92-2	$\text{Si}[(\text{CH}_3)_2\text{CH} - \text{CH}_3]_2$		0.02	Air, light and heat Sensitive
22	NEW Platinum Sulfite Acid (PSA) 15% W / W	61420-92- 6	$\text{H}_4\text{O}_7\text{PtS}_2$		0.15	Air, light and heat Sensitive

Palladium

S.N.	Product Name	CAS	Mol.Form	Mol.Wt.	% Metal Content	Properties
01	Trans - Dichlorodiammine palladium (II) Chloride	14323-43-4	$[\text{Pd}(\text{NH}_3)_2\text{Cl}_2]\text{Cl}$	211.37	50.3	NH_4OH
02	Diamminepalladium (II) nitrite	14852-83-6	$(\text{NH}_3)_2\text{Pd}(\text{NO}_2)_2$	232.47	46	
03	Palladium (II) chloride	7647-10-1	PdCl_2	177.31	60	dil. HCl
04	Potassium hexachloropalladate (IV)	16919-73- 6	K_2PdCl_6	397 .32	26.8	Slightly soluble in HCl
05	Palladium (II) nitrate	10102-05 -3	$\text{Pd}(\text{NO}_3)_2 \cdot x\text{H}_2\text{O}$	230.43	46.18	ddl, HNO_3
06	Palladium (II) oxide	1314-08-5	PdO	122.4	87	48% H Br
07	Potassium tetrachloropalladate (II)	10025-98-6	K_2PdCl_4	326.42	32.59	Water
08	Potassium tetracyanopalladate (II)	14516-46-2	$\text{K}_2[\text{Pd}(\text{CN})_4] \cdot 3\text{H}_2\text{O}$	288.68	31.1	
09	Sodium tetrachloropalladate (II)	13820-52-6	$\text{Na}_2\text{PdCl}_4 \cdot x\text{H}_2\text{O}$	294.2	36.17	Water, $\text{C}_2\text{H}_5\text{OH}$
10	Palladium Nitrate Solution		$\text{Pd}(\text{NO}_3)_2$		50-150 gm /kg	

Rhodium

S.N.	Product Name	CAS	Mol.Form	Mol.Wt.	% Metal Content	Properties
01	Ammonium hexachlororhodate (III)	15336-18-2	$(\text{NH}_4)_3\text{RhCl}_6 \cdot x\text{H}_2\text{O}$	369.74	27.83	Water
02	Potassium hexachlororhodate (III)	13845-07-3	K_3RhCl_6	432.93	23.77	
03	Rhodium (II) acetate, dimer	15956-28-2	$[\text{Rh}(\text{CO}_2\text{CH}_3)_2]_2$	441.99	46.57	Water
04	Rhodium (III) chloride	20765-98- 4	$\text{RhCl}_3 \cdot x\text{H}_2\text{O}$	209.26	39	Water, Alcohol, HCl
05	Rhodium (III) sulphate 10% solution	10489-46-0	$\text{Rh}_2(\text{SO}_4)_3$	494	41.66	
06	Rhodium octanoate dimer	73482-96-9	$[\text{Rh}(\text{C}_7\text{H}_{15}\text{COO})_2]_2$	778.62	26.46	Hot Alcohol, CH_2Cl_2 , Toluene, Acetic Acid
07	Rhodium Nitrate Solution	*	$\text{Rh}(\text{NO}_3)_2$		70-100gm/kg	Air, light and heat Sensitive
08	Rhodium Iodide	15492-36-3	RhI_3	483.62	0.212	Air, light and heat Sensitive

Iridium

S.N.	Product Name	CAS	Mol.Form	Mol.Wt.	% Metal Content	Properties
01	Ammonium hexachloroiridate (III)	15752-05-3	$(\text{NH}_4)_3\text{IrCl}_6 \cdot x\text{H}_2\text{O}$	459.06	41.9	
02	Iridium chloride hydrate	14996-61-3	$\text{IrCl}_3 \cdot x\text{H}_2\text{O}$	298.58	64.4	Water, Alcohol
03	Iridium (IV) oxide	12030-49-8	IrO_2	224.2	85.7	
04	Sodium hexachloroiridate (III)	123334-23-6	$\text{Na}_3\text{IrCl}_6 \cdot x\text{H}_2\text{O}$	473.89	40.6	
05	Potassium hexachloroiridate (IV)	16920-56-2	K_2IrCl_6	483.12	39.8	
06	Iridium Acetatate Solution 5-% W/W	52705-52-9	$\text{C}_{14}\text{H}_{24}\text{Ir}_3\text{O}_{18}$		5	Air, light and heat Sensitive

Gold

S.N.	Product Name	CAS	Mol.Form	Mol.Wt.	% Metal Content	Properties
01	Ammonium tetrachloroaurate (III)	13874-04-9	$(\text{NH}_4)\text{AuCl}_4 \cdot x\text{H}_2\text{O}$	356.82	55.2	Water, Alcohol
02	Gold (I) chloride	10294-29-8	AuCl	232.42	84.75	
03	Gold (I) cyanide	506-65-0	AuCN	222.98	88.33	
04	Hydrogen tetrachloroaurate (III)	27988-77-8	$\text{HAuCl}_4 \cdot x\text{H}_2\text{O}$	339.79	50	HNO_3
05	Sodium tetrachloroaurate (III)	13874-02-7	$\text{NaAuCl}_4 \cdot 2\text{H}_2\text{O}$	361.77	49.5	Water, Alcohol, Ether
06	Potassium tetrachloroaurate (III)	13682-61-6	KAuCl_4	377.88	52.1	Water

Ruthenium

S.N.	Product Name	CAS	Mol.Form	Mol.Wt.	% Metal Content	Properties
01	Potassium pentachlororuthenate (III)	14404-33-2	$\text{K}_2\text{RuCl}_5 \cdot x\text{H}_2\text{O}$	356.54	28.3	
02	Ruthenium (III) Chloride	14898-67-9	$\text{RuCl}_3 \cdot x\text{H}_2\text{O}$	207.43	38- 43	Water, Alcohol
03	Ruthenium (III) Chloride	13815-94-6	$\text{RuCl}_3 \cdot x\text{H}_2\text{O}$	261.46	38.66%	Air Sensitive and Hygroscopic
04	Ruthenium oxide (55%)	12036-10-1	$\text{RuO}_2 \cdot x\text{H}_2\text{O}$	133.07	55.00%	
05	Ruthenium oxide (39%)	12036-10-1	$\text{RuO}_2 \cdot x\text{H}_2\text{O}$	133.07	39.00%	
06	NEW Ruthenium Acetate 5%W/W Solution	55466-76-7	$\text{Ru}(\text{OAC})_n$		0.05	Air, light and heat Sensitive
07	Ammonium Perrhenate	13598-65-7	NH_4ReO_4	268.23	69.4	

Silver Solutions

S.N.	Product Name	CAS	Mol.Form	Mol.Wt.	% Metal Content	Properties
01	Silver bromide	7785-23-1	AgBr	187.78	57.44	Partially soluble in NH_3
02	Silver (I) chloride	7783-90 -6	AgCl	143.32	75.26	NH_3 , alkali cyanide
03	Silver (I) fluoride	7775-41- 9	AgF	126.87	85	HF , NH_3 , CH_3CN
04	Silver (I) iodide	7783-96-2	AgI	234.77	45.95	Alkali cyanides & iodides
05	Silver (I) nitrate	7761-88-8	AgNO_3	169.87	63.5	Water, alcohol
06	Silver (I) oxide	20667-12-3	Ag_2O	231.74	93	dil.HNO_3 , NH_3
07	Silver powder	7440-22- 4	Ag	107.86	99.99	dil.HNO_3
08	Silver acetate	563-63-3	AgCOOCH_3	168.9	64.63	dilute nitric acid
09	Silver lactate	128-00-7	$\text{AgCOOCH}(\text{OH})\text{CH}_3$	197.7	50-55	Water
10	Silver carbonate	534-16-7	Ag_2CO_3	275.75	78.23	all acids

Pure Metals

S.N.	Product Name	CAS	Mol.Form	Mol.Wt.	% Metal Content	Properties
01	Platinum black	07440-06-4	Pt	195.08	98	
02	Platinum sponge	07440-06-4	Pt	195.08	99.95+	Aquaregia
03	Palladium black	07440-05-3	Pd	106.4	98	
04	Palladium sponge	07440-05-3	Pd	106.4	99.95+	
05	Rhodium black	7440-16-6	Rh	102.9	98	
06	Rhodium sponge	7440-16-6	Rh	102.9	99.9+	
07	Iridium black	7439-88-5	Ir	192.22		
08	Iridium sponge	7439-88-5	Ir	192.22	99.9	
09	Gold powder	7440-57-5	Au	196.97	99.95+	
10	Silver powder	7440-22-4	Ag	107.86	99.99	dil.HNO_3
11	Ruthenium black	7440-18- 8	Ru	101.07		
12	Ruthenium powder	7440-18-8	Ru	101.07	99.9	



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