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Scientific

Inorganic Catalyst

Efficiency Amplifiers for Chemical Processes

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Oxide Catalysts

Item No.	Product Name	CAS	Specification/Purity	Package
M101140	Manganese dioxide	1313-13-9	≥ 99.95% metals basis	5g/25g
M189060	Molybdenum oxide	18868-43-4	≥ 99%	25g/100g/500g/2.5kg
T105417	Titanium(IV) oxide	13463-67-7	PrimorTrace™, ≥ 99.99% metals basis	10g/50g/250g
S110874	Selenium dioxide	7446-08-4	PrimorTrace™, ≥ 99.99% metals basis	5g/25g/50g/100g/ 500g
C112727	chromic anhydride	1333-82-0	≥ 99.9% metals basis	100g/500g
T104936	Titanium dioxide, anatase	13463-67-7	≥ 99.8% metals basis, <60nm particle size, hydrophilic	100g/500g/2.5kg
T103856	Tungsten trioxide	1314-35-8	≥ 99.9% metals basis, <200nm	5g/25g/100g/500g
A299286	Aluminum oxide	1344-28-1	≥ 99.9% metals basis, powder, α-phase, 150nm	100g/500g
N128916	Nickel oxide	1313-99-1	≥ 99.9% metals basis, 50nm	10g/50g
I105868	Indium oxide	1312-43-2	PrimorTrace™, ≥ 99.99% metals basis, <50nm (TEM)	10g/50g/250g
R105591	Rhenium heptoxide	1314-68-7	PrimorTrace™, ≥ 99.99% metals basis	200mg/1g/5g
I282463	Iron(III) oxyhydroxide	20344-49-4	pH~3 in water	5g/25g/100g/500g
R283398	Rubidium hydroxide	1310-82-3	≥ 99% (as Rb), 50% aqueous solution	1g/5g/25g/100g
R283400	Rubidium hydroxide hydrate	12026-05-0	≥ 99% metals basis	5g/25g
A102833	Antimony trioxide	1309-64-4	PrimorTrace™, ≥ 99.99% metals basis	10g/50g/250g/1kg
C118620	Chromic trioxide	1333-82-0	PrimorTrace™, ≥ 99.99% metals basis	25g/100g/500g
T103853	Tungsten trioxide	1314-35-8	PrimorTrace™, ≥ 99.99% metals basis	10g/25g/50g/100g/ 250g/500g
R111923	Ruthenium(IV) oxide	12036-10-1	≥ 99.9% metals basis	250mg/1g/5g/25g/ 500g
M190551	Manganese(III) oxide	1317-34-6	≥ 98%	10g/25g/100g/500g/ 2.5kg
S342617	Sodium oxide	1313-59-3	≥ 80%	5g/25g/50g
N282626	Niobium(IV) oxide	12034-59-2	≥ 99%	1g/2g/5g/10g/50g
T475154	Terbium(III) oxide	12036-41-8	PrimorTrace™, ≥ 99.99% metals basis	250mg/1g/2g/5g/10g
T283071	Tungsten(IV) oxide	12037-58-0	≥ 99.9% metals basis	10g/50g/250g
C283514	Cerium tungsten oxide	13454-74-5	≥ 99.9% metals basis (REO)	5g/25g
Z111843	Zinc oxide	1314-13-2	PharmPure™, USP, BP, Ph. Eur., ≥ 99% (calc. for dried substance)	500g

Sulfide Catalysts

Item No.	Product Name	CAS	Specification/Purity	Package
A707187	Antimony pentasulfide	1315-04-4	≥ 95%	5g/25g/100g
S112302	Sodium sulfite anhydrous	7757-83-7	ACS, ≥ 98%(RT)	100g/500g/2.5kg/5kg/ 10kg/25kg
S112290	Sodium sulfate anhydrous	7757-82-6	PharmPure™, USP, BP, Ph.Eur., ≥ 99%	1kg/2.5kg
S118289	Sodium sulfate anhydrous	7757-82-6	PrimorTrace™, ≥ 99.999% metals basis	25g/100g
M118820	Magnesium sulfate anhydrous	7487-88-9	PrimorTrace™, ≥ 99.99% metals basis	25g/100g/500g/ 12×500g
Y343784	Yttrium Sulfide	12039-19-9	≥ 99.9% metals basis (REO)	1g/5g
F684697	Iron sulfate heptahydrate	7782-63-0	≥ 99.9% metals basis	1kg/2.5kg/10kg
S112918	Tin sulfate	7488-55-3	AR	100g/500g
T282535	Tetraammincopper(II) sulfate hydrate	14283-05-7	≥ 95%	2g/10g/500g
M140902	Mercuric sulfate	7783-35-9	≥ 99.5%	5g/25g/100g/250g/ 500g/1kg
P112584	Potassium sulfate	7778-80-5	PrimorTrace™, ≥ 99.99% metals basis	5g/25g/100g/500g/ 2.5kg
P112583	Potassium sulfate	7778-80-5	PureSpectra™, Spectrum pure	25g
L112940	Lead sulfate	7446-14-2	PrimorTrace™, ≥ 99.999% metals basis	1g/5g/10g/50g
E299097	Erbium(III) sulfate	13478-49-4	≥ 99.9% metals basis	10g
C573445	Cupric sulfate	7758-98-7	≥ 99%	500g/1kg/2.5kg
C112401	Copper sulfate pentahydrate	7758-99-8	PrimorTrace™, ≥ 99.99% metals basis	25g/100g/500g
H348249	Hafnium(IV) sulfate	15823-43-5	≥ 99.9% metals basis, excluding Zr, Zr<1%	250mg/1g/5g/25g
C301974	Chromium sulfate hydrate	15244-38-9	≥ 99.95% metals basis	25g/100g/500g
R112819	Rubidium sulfate	7488-54-2	PrimorTrace™, ≥ 99.99% metals basis	1g/5g/25g
Z163015	Zinc sulfate monohydrate	7446-19-7	≥ 99%	500g/2.5kg
M490193	Magnesium sulfate heptahydrate	10034-99-8	≥ 99.9% metals basis	25g/100g/500g
D304048	Lanthanum(III) Sulfate Hydrate	57804-25-8	≥ 99.9% metals basis	5g/25g/100g/500g/ 2.5kg
Y119061	Ytterbium(III) sulfate	13469-97-1	PrimorTrace™, ≥ 99.99% metals basis	5g/25g
P299361	Potassium monopersulfate triple salt	70693-62-8	≥ 42% KHSO ₅ basis	100g/500g/2.5kg/10kg
P111367	Palladium on barium sulfate	7440-05-3	≥ 10% Pd	5g/25g

Halide Catalysts

F Fluoride				
Item No.	Product Name	CAS	Specification/Purity	Package
I491686	Iron(III) fluoride, anhydrous	7783-50-8	≥ 97%	10g/25g
I283349	Iron(II) fluoride, anhydrous	7789-28-8	≥ 98%	1g/5g/25g
C104253	Calcium fluoride	7789-75-5	PrimorTrace™, ≥ 99.99% metals basis	5g/25g/100g/500g
B104296	Barium fluoride	7787-32-8	PrimorTrace™, ≥ 99.99% metals basis	5g/25g/100g/500g/2.5kg
H119102	Holmium(III) fluoride	13760-78-6	PrimorTrace™, anhydrous, ≥ 99.99% metals basis, powder	1g/5g/25g
P116296	Potassium fluoride anhydrous	7789-23-3	≥ 99.9% metals basis	10g/50g/250g/500g/2.5kg
L109295	lead fluoride	7783-46-2	PrimorTrace™, ≥ 99.99% metals basis	25g/100g/500g
E106116	Erbium(III) fluoride	13760-83-3	PrimorTrace™, anhydrous, ≥ 99.99% metals basis	5g/25g
A105069	Aluminum fluoride	7784-18-1	anhydrous, ≥ 99.9% metals basis	5g/25g/100g/500g
I304617	Indium(III) fluoride	7783-52-0	≥ 99.5% metals basis	1g/5g/25g
Z108925	Zinc fluoride	7783-49-5	PrimorTrace™, anhydrous, ≥ 99.99% metals basis	1g/5g/25g
T195033	Tin(II) Fluoride	7783-47-3	≥ 99%	5g/25g/100g/500g
S102887	Strontium fluoride	7783-48-4	PrimorTrace™, ≥ 99.99% metals basis	2.5g/10g/50g/250g
M108388	Magnesium fluoride	7783-40-6	PrimorTrace™, ≥ 99.99% metals basis	5g/25g/100g/500g
C119201	Cadmium fluoride	7790-79-6	≥ 99.9% metals basis	10g/50g
Cl Chloride				
Item No.	Product Name	CAS	Specification/Purity	Package
R119430	Ruthenium(III) chloride anhydrous	10049-08-8	Ru content 45-55%	1g/5g/10g/25g
I112066	Iron(III) chloride	7705-08-0	PrimorTrace™, ≥ 99.99% metals basis	1g/5g/25g/100g
C106772	Cobalt(II) chloride	7646-79-9	≥ 99.7% metals basis	5g/25g/100g/500g/1kg
C106775	Copper(II) chloride	7447-39-4	PrimorTrace™, ≥ 99.99% metals basis	1g/5g/25g/100g
C112392	Cuprous chloride	7758-89-6	PrimorTrace™, ≥ 99.999% metals basis	1g/5g/25g/100g
C111544	Sodium chloride	7647-14-5	PrimorTrace™, ≥ 99.999% metals basis	25g/100g
M283424	Molybdenum(III) chloride	13478-18-7	≥ 99.5%	1g/5g/25g

Halide Catalysts

Cl Chloride				
Item No.	Product Name	CAS	Specification/Purity	Package
P112142	Potassium chloride	7447-40-7	PrimorTrace™ , ≥ 99.99% metals basis	25g/100g/500g/2.5kg
L110808	Lead chloride	7758-95-4	PrimorTrace™ , ≥ 99.99% metals basis	25g/100g/500g
L116329	Lithium chloride	7447-41-8	PrimorTrace™ , ≥ 99.99% metals basis, powder	10g/50g/250g
Z112532	Zinc chloride	7646-85-7	≥ 99.95% metals basis	5g/25g/50g/100g/500g
M141247	Manganese chloride	7773-01-5	≥ 99% metals basis	250g/500g/2.5kg/ 20×500g
N112126	Nickel chloride hexahydrate	7791-20-0	AR, ≥ 98%	100g/500g/2.5kg/ 12×500g
S110494	Sodium chlorate	7775-09-9	AR, ≥ 99%	500g/2.5kg/25kg
P103994	Potassium perchlorate	7778-74-7	PrimorTrace™ , ≥ 99.99% metals basis	25g/100g/500g
Br Bromide				
Item No.	Product Name	CAS	Specification/Purity	Package
L283469	Lanthanum(III) bromide heptahydrate	13465-19-5	≥ 99.9% metals basis(REO)	5g/25g/100g
C283330	Chromium(III) bromide hexahydrate	13478-06-3	≥ 95%	1g/5g/25g
I283345	Iron(II) bromide, anhydrous	7789-46-0	≥ 98%	10g/50g
G119155	Gadolinium(III) bromide	13818-75-2	PrimorTrace™ , anhydrous, ≥ 99.99% metals basis, powder	1g/5g
C113752	Calcium bromide hydrate	71626-99-8	≥ 98%	100g/500g/1kg/2.5kg/ 10kg/20×500g
C195299	Cobalt(II) bromide hydrate	85017-77-2	≥ 98%	5g/25g/100g/500g
P283309	Potassium bromide	7758-02-3	PrimorTrace™ , ≥ 99.999% metals basis	10g/50g
C100349	Caesium bromide	7787-69-1	≥ 99.9% metals basis	5g/25g/50g/100g
R304632	Rubidium bromide	7789-39-1	≥ 99.5% metals basis	1g/5g/25g/100g
L108934	Lithium bromide	7550-35-8	≥ 99.9% metals basis	25g/100g/500g/2.5kg
Z578654	Zirconium(IV) bromide	13777-25-8	≥ 98%	5g/25g
Z104435	Zinc bromide	7699-45-8	≥ 99.9% metals basis	25g/100g/500g
S290968	Strontium bromide	10476-81-0	PrimorTrace™ , Ultra dry, ≥ 99.99% metals basis	1g/5g
D283991	Dysprosium bromide	14456-48-5	PrimorTrace™ , Ultra dry, ≥ 99.99% metals basis	1g/5g
L283766	Lanthanum bromide	13536-79-3	Ultra dry, ≥ 99.9% metals basis	2g/10g/50g

Halide Catalysts

I Iodide				
Item No.	Product Name	CAS	Specification/Purity	Package
S105953	Sodium iodide	7681-82-5	PrimorTrace™ , ≥ 99.99% metals basis	25g/100g/500g
B283464	Barium iodide	13718-50-8	≥ 97%	5g/25g/100g
P111404	Palladium iodide	7790-38-7	Pd ≥ 27.5%	250mg/1g/5g
P116284	Potassium iodide	7681-11-0	PrimorTrace™ , ≥ 99.999% metals basis	5g/25g/100g
P283524	Platinum(II) iodide	7790-39-8	≥ 98%	100mg/250mg/1g/5g
C119183	Cerium(III) iodide	7790-87-6	anhydrous, ≥ 99.9% metals basis, powder	200mg/1g/5g
B283960	Bismuth iodide	7787-64-6	PrimorTrace™ , Ultra dry, ≥ 99.99% metals basis	1g/5g/25g
I401323	Indium(III) iodide	13510-35-5	≥ 99.9% metals basis	2g/10g/50g
T119085	Thulium(III) iodide	13813-43-9	anhydrous, ≥ 99.9% metals basis, powder	1g
C105363	Cesium iodide	7789-17-5	PrimorTrace™ , ≥ 99.999% metals basis	10g/50g/250g
R112817	rubidium iodide	7790-29-6	≥ 99.9% metals basis	1g/5g/10g/50g
T292407	Terbium Iodide	13813-40-6	Ultra dry, ≥ 99.99% metals basis (REO)	1g/5g
Z283413	Zirconium(IV) iodide	13986-26-0	≥ 99.5%	1g/5g
M304633	Manganese(II) iodide	7790-33-2	PrimorTrace™ , Ultra dry, ≥ 99.99% metals basis	1g/2g/5g
D119107	Dysprosium(III) iodide	15474-63-2	PrimorTrace™ , anhydrous, ≥ 99.99% metals basis, flakes	1g/5g/25g

Acid-salts Catalysts

Item No.	Product Name	CAS	Specification/Purity	Package
S302455	Sodium perrhenate	13472-33-8	≥ 99.95% metals basis	200mg/250mg/1g/5g/ 25g
C283313	Calcium chromate	13765-19-0	≥ 95%	5g/25g/100g/500g
E348367	Erbium(III) phosphate hydrate	14242-01-4	≥ 99.9% (REO)	2g/5g/25g/100g
M189372	Magnesium phosphate pentahydrate	10233-87-1	≥ 99%	50g/100g/250g/1kg/5kg
P112218	Potassium phosphate dibasic anhydrous	7758-11-4	PrimorTrace™ , ≥ 99.99% metals basis	25g/100g/500g
C283474	Cerium(III) phosphate	13454-71-2	≥ 99% based on trace rare earth analysis	25g/100g/500g

Acid-salts Catalysts

Item No.	Product Name	CAS	Specification/Purity	Package
Z283369	Zinc phosphate tetrahydrate	7543-51-3	≥ 97%	100g/500g/2kg
S407343	Sodium hexahydroxyplatinate (IV)	12325-31-4	51.2-62.5% Pt basis (gravimetric)	50mg/250mg/1g
M305158	Manganese(II) nitrate hexahydrate	17141-63-8	≥ 98%	5g/25g/100g/500g
B300859	Barium manganate	7787-35-1	≥ 90%	1g/5g/25g/100g
A116375	Ammonium molybdate tetrahydrate	12054-85-2	AR	25g/100g/500g/2.5kg/ 12×500g
C283315	Calcium molybdate	7789-82-4	≥ 99.9% metals basis	25g/100g/500g
P283417	Potassium niobate	12030-85-2	PrimorTrace™ , ≥ 99.999% metals basis	1g/5g/10g/50g
L123766	Lithium niobate	12031-63-9	≥ 99.9% metals basis	5g/10g/50g/250g
S283268	Sodium niobate	12034-09-2	≥ 99.9% metals basis	5g/25g/100g
S116323	Sodium metavanadate	13718-26-8	≥ 99.9% metals basis	25g/50g/100g
P195044	Potassium Metaphosphate	7790-53-6	≥ 99%	25g/100g/500g/2.5kg
T355109	Thallium(III) nitrate trihydrate	13453-38-8	≥ 99.5% metals basis	1g/5g/25g
B283540	Bismuth(III) titanate	12048-51-0	≥ 98%	25g/100g
B112364	Barium carbonate	513-77-9	PureSpectra™ , Spectrum pure	25g/500g
E283503	Erbium(III) carbonate hydrate	22992-83-2	≥ 99.9% metals basis (REO)	10g/25g/50g/100g
G349487	Gadolinium Carbonate	5895-49-8	≥ 99.9% metals basis	25g/100g
C111988	Calcium carbonate	471-34-1	PrimorTrace™ , ≥ 99.999% metals basis	1g/5g/25g/100g/500g
L101685	Lithium carbonate	554-13-2	≥ 99.998% metals basis	25g/100g/500g
M111695	Manganese carbonate	598-62-9	≥ 99.95% metals basis	100g/250g/1kg/5kg
C105060	Caesium carbonate	534-17-8	PrimorTrace™ , ≥ 99.99% metals basis	10g/50/250g/1kg
S283014	Samarium(III) carbonate hydrate	5895-47-6	≥ 99.9% metals basis (REO)	10g/50g/250g
C282347	Calcium tungstate	7790-75-2	≥ 98%	100g/500g
C283353	Cobalt(II) tungstate	10101-58-3	≥ 99.9% metals basis	1g/5g/10g/50g
P106142	Potassium tungstate	7790-60-5	≥ 99.5%, 60 mesh	5g/25g/100g
L283259	Lithium tungstate	13568-45-1	≥ 98%	10g/50g/250g
M283285	Magnesium tungstate	13573-11-0	≥ 99.9% metals basis	10g/50g
S194956	Sodium molybdenum oxide, anhydrous	7631-95-0	≥ 99%	25g/100g/500g/2.5kg

Acid-salts Catalysts

Item No.	Product Name	CAS	Specification/Purity	Package
P111561	Potassium carbonate	584-08-7	PrimorTrace™ , ≥ 99.99% metals basis	25g/100g/500g/2.5kg
S111739	Sodium carbonate anhydrous	497-19-8	PrimorTrace™ Ultra, ≥ 99.9999% metals basis	5g/25g/100g/250g
D189119	Dysprosium nitrate hexahydrate	35725-30-5	PrimorTrace™ , ≥ 99.99% metals basis	5g/25g/100g
C116447	Chromium(III) nitrate nonahydrate	7789-02-8	PrimorTrace™ , ≥ 99.99% metals basis	5g/25g/100g
G118483	Gallium nitrate hydrate	69365-72-6	PrimorTrace™ , ≥ 99.999% metals basis	5g/25g
P111645	Potassium nitrate	7757-79-1	PrimorTrace™ , ≥ 99.99% metals basis	25g/100g/500g
L118824	Lithium nitrate	7790-69-4	PrimorTrace™ , ≥ 99.99% metals basis	5g/25g/100g/500g
S111651	Sodium nitrate	7631-99-4	PrimorTrace™ , ≥ 99.99% metals basis	25g/100g/500g

Elementary Catalysts

Item No.	Product Name	CAS	Specification/Purity	Package
P113285	Alladium	7440-05-3	≥ 99.95% metals basis	200mg/250mg/1g/5g
P123382	Platinum	7440-06-4	≥ 99.9% metals basis, <50 nm	100mg/500mg
R105896	Ruthenium	7440-18-8	≥ 99.9% metals basis	200mg/1g/5g/25g
R105898	Ruthenium	7440-18-8	PrimorTrace™ , ≥ 99.99% metals basis	250mg/1g/5g/10g
P396474	Palladium	7440-05-3	0.6% on activated carbon, 50% water-wet paste	5g/25g
P106011	Palladium	7440-05-3	≥ 99.5% metals basis	200mg/1g/5g
P282903	Palladium black	7440-05-3	≥ 99.9% metals basis	1g/5g
P283176	Platinum	7440-06-4	10% on activated carbon	1g/5g/25g
P399213	Platinum	7440-06-4	≥ 99.9% metals basis, ≤ 20 μm	250mg/1g/5g
B434656	Boron	7440-42-8	≥ 95%, amorphous powder	5g/50g/250g

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