Nr sprawy: ZP.KL.03.03.2010 r. Załącznik nr 2

Szczegółowy opis przedmiotu zamówienia

Przedmiotem zamówienia jest dostawa 115 rodzajów odczynników chemicznych o czystości od 95.00% do 99.99% do laboratorium INTiBS PAN, o wymaganiach zawartych w poniższej tabeli:

Nazwa	Czystość	Wzór	Masa/ opakowania
Lithium fluoride (anhydrous) w małych opakowaniach	99.99%	LiF	250 g / max 50 g
Lithium nitrate	99.98%	$LiNO_3$	250 g
Sodium fluoride (anhydrous) w małych opakowaniach	99.99%	NaF	500 g /max 50 g
Sodium nitrate	99.98%	$NaNO_3$	250 g
Potassium fluoride (anhydrous) w małych opakowaniach	99.99%	KF	500 g / max 50g
Potassium nitrate	99.98%	KNO_3	250 g
Rubidium nitrate	99.98%	$RbNO_3$	100 g
Beryllium sulfate tetrahydrate	99.99%	$BeSO_4$ $4H_2O$	100 g
Magnesium fluoride	99.99%	MgF_2	250 g
Magnesium nitrate hexahydrate	99.97%	$Mg(NO_3)_2$ $6H_2O$	100 g
Magnesium oxide	99.99%	MgO	100 g

Calcium chloride	99.99%	$CaCl_2$	100 g
Calcium carbonate	99.99%	$CaCO_3$	250 g
Calcium fluoride	99.99%	CaF_2	500 g
Calcium nitrate tetrahydrate	99.98%	$Ca(NO_3)_2\ 4H_2O$	100 g
Calcium oxide	99.99%	CaO	250 g
Calcium sulfide	99.90%	CaS	50 g
Strontium fluoride	99.99%	SrF_2	500 g
Strontium nitrate	99.97%	$Sr(NO_3)_2$	100 g
Strontium oxide	99.50%	SrO	200 g
Strontium hydroxide octahydrate	99.00%	$Sr(OH)_2\ 8H_2O$	500 g
Strontium sulfide	99.90%	SrS	50 g
Strontium sulfate	99.99%	$SrSO_4$	25 g
Barium acetate	99.99%	$Ba(CH_3COO)_2$	100 g
Barium chloride	99.99%	$BaCl_2$	200 g
Barium fluoride	99.99%	BaF_2	500 g
Barium nitrate	99.95%	$Ba(NO_3)_2$	100 g
Barium oxide	99.50%	BaO	100 g
Barium sulfate	99.99%	$BaSO_4$	100 g
Scandium oxide	99.99%	Sc_2O_3	50 g
Yttrium acetate tetrahydrate	99.99%	$Y(CH_3COO)_3\ 4H_2O$	100 g

Yttrium fluoride (anhydrous)	99.99%	YF_3	250 g
Yttrium nitrate hexahydrate	99.99%	$Y(NO_3)_3\ 6H_2O$	100 g
Yttrium oxide	99.99%	Y_2O_3	1000 g
Lanthanum fluoride (anhydrous) w małych opakowaniach	99.99%	LaF_3	500 g / max 50 g
Lanthanum oxide	99.99%	La_2O_3	1000 g
Cerium(IV) oxide	99.99%	CeO_2	250 g
Praseodymium fluoride (anhydrous)	99.99%	PrF_3	50 g
Praseodymium(III,IV) oxide	99.99%	Pr_6O_{11}	200 g
Neodymium fluoride (anhydrous)	99.99%	NdF_3	100 g
Neodymium oxide	99.99%	Nd_2O_3	1000 g
Samarium fluoride (anhydrous) w małych opakowaniach	99.99%	SmF_3	250 g / max 25 g
Samarium oxide	99.99%	Sm_2O_3	200 g

Europium fluoride (anhydrous) w małych opakowaniach	99.99%	EuF_3	250 g /max 25g
Europium oxide	99.99%	Eu_2O_3	100 g
Gadolinium fluoride (anhydrous) w małych opakowaniach	99.99%	GdF_3	500 g /max 50g
Gadolinium oxide	99.99%	Gd_2O_3	1000 g
Terbium fluoride (anhydrous) w małych opakowaniach	99.99%	TbF_3	250 g / max 25 g
Terbium(III,IV) oxide	99.99%	Tb_4O_7	250 g
Dysprosium fluoride (anhydrous) w małych opakowaniach	99.99%	DyF_3	250 g / max 25 g
Dysprosium oxide	99.99%	Dy_2O_3	500 g
Holmium fluoride (anhydrous)	99.99%	HoF_3	50 g
Holmium oxide	99.99%	Ho_2O_3	100 g
Erbium fluoride (anhydrous)	99.99%	ErF_3	50 g
Erbium oxide	99.99%	Er_2O_3	250 g
Thulium fluoride (anhydrous)	99.99%	TmF_3	5 g
Thulium oxide	99.99%	Tm_2O_3	10 g

Ytterbium fluoride (anhydrous)	99.99%	YbF_3	50 g
Ytterbium oxide	99.99%	Yb_2O_3	100 g
Lutetium fluoride	99.99%	LuF_3	5 g
Lutetium oxide	99.99%	Lu_2O_3	25 g
Tantalum chloride	99.90%	$TaCl_5$	100 g
Titanium(II) oxide	99.90%	TiO	50 g
Titanium(III) oxide	99.80%	Ti_2O_3	50 g
Titanium(IV) oxide	99.99%	TiO_2	250 g
Titanium(IV) n-butoxide	98.00%	$Ti[O(CH_2)_3CH_3]_4$	2000 g
Zirconium dinitrate oxide hydrate	99.90%	$ZrO(NO_3)_2 \bullet xH_2O$	100 g
Zirconium n-butoxide, 80% w/w in 1-butanol	80%	$C_{16}H_{36}O_4Zr$	1000 g
Vanadium(V) oxide	99.99%	V_2O_5	50 g
Niobium(V) oxide	99.99%	Nb_2O_5	250 g
Chromium oxide	99.97%	Cr_2O_3	100 g
Molybdenum(VI) oxide	99.99%	MoO_3	100 g
Tungsten(IV) oxide	99.9%	WO_2	25 g
Tungsten(VI) oxide	99.99%	WO_3	100 g

Manganese(II) oxide	99.99%	MnO	50 g
Manganese(IV) oxide	99.99%	MnO_2	100 g
Cobalt(II) nitrate hexahydrate	98.00%	$Co(NO_3)_2\ 6H_2O$	100 g
Cobalt(II) oxide	99.99%	CoO	25 g
Nickel(II) nitrate hexahydrate	99.99%	$Ni(NO_3)_2\ 6H_2O$	50 g
Nickel(II) oxide	99.99%	NiO	100 g
Copper(I) chloride	99.00%	CuCl	100 g
Copper(II) chloride	99.99%	$CuCl_2$	25 g
Copper(II) fluoride	99.99%	CuF_2	100 g
Copper(I) oxide	99.90%	Cu_2O	100 g
Copper(II) oxide	99.99%	CuO	100 g
Copper(I) sulfide	99.5%	Cu_2S	50 g
Silver(I) sulfide	99.99%	Ag_2S	5 g
Zinc nitrate hexahydrate	99.99%	$Zn(NO_3)_2\ 6H_2O$	50 g
Zinc oxide	99.99%	ZnO	250 g
Zinc sulfide	99.99%	ZnS	250 g
Cadmium nitrate tetrahydrate	99.99%	$Cd(NO_3)_2\ 4H_2O$	100 g
Cadmium oxide	99.99%	CdO	500 g
Cadmium sulfide	99.99%	CdS	25 g

Boron oxide	99.98%	B_2O_3	500 g
Gallium(III) chloride	99.99%	$GaCl_3$	50 g
Gallium(III) oxide	99.99%	Ga_2O_3	100 g
Indium(III) chloride	99.99%	$InCl_3$	50 g
Indium(III) oxide	99.99%	In_2O_3	50 g
Tetraethoxysilane	99.90%	$Si(OC_2H_5)_4$	2000 g
Germanium(IV) oxide	99.99%	GeO_2	100 g
Tin(IV) oxide,	99.9%	SnO_2	100 g
Di-n-butyltin bis(2,4-pentanedionate)	95.00%	$Sn(C_5H_7O_2)_2$ (n-$C_4H_9)_2$	250 g
Lead(IV) acetate	96.00%	$Pb(CH_3COO)_4$	250 g
Lead(II) fluoride	99.99%	PbF_2	100 g
Lead(II) oxide	99.99%	PbO	100 g
Lead(II) sulfate	99.99%	$PbSO_4$	50 g
Lead(II) chloride	99.99%	$PbCl_2$	100 g
Phosphorus (V) oxide	99.99%	P_2O_5	500 g
Phosphorus (V) oxide	min 90%	P_2O_5	2500 g / 500g
Antimony(III) chloride	99.90%	$SbCl_3$	100 g

Antimony(III) oxide	99.99%	Sb_2O_3	100 g
Bismuth(III) oxide	99.99%	Bi_2O_3	250 g
Bismuth(III) oxide carbonate	98.50%	$(BiO)_2CO_3$	500 g
Polyvinylpyrrolidone, average M.W. 58,000		$(C_6H_9NO)_n$	2500 g
2-Methoxyethanol,	99%	$C_3H_8O_2$	2500 ml

Oraz innych niżej wymienionych związków chemicznych:

Glikol etylenowy cz.d.a	1 l x 6
1,4-butanodiol, 99+%	1 l
Kwas cytrynowy bezwodny do analizy ACS, 99.6%	4 kg
Amoniak roztwór 25% (woda amoniakalna) ekstra czysty	2.5 l
Kwas azotowy 65% cz.d.a	1 l
Kwas azotowy 65% ultraczysty	2 l
Amonu wodorowęglan cz.d.a.	1 kg
Kwas octowy min. 99,5% CZDA	2 l
Kwas wersenowy (EDTA) do analizy, 99,5%	1 kg
Bromek potasu do spektroskopii, 99+%	100 g
Glicyna, cz.d.a	1 kg
Alkohol etylowy 96% cz.d.a.	0.5 l x 6
Metanol cz.d.a.	2 l
Aceton cz.	1 l x 6
Aceton cz.d.a.	2 l
Kwas solny 35 - 38% CZDA	1 l x 6

Acetyloaceton, cz.d.a.	2 l
di-Sodu tetraboran 10. Hydrat CZDA, ACS	500 g