

Proposed Sampling Plan

Project Title: **MASS PRODUCTION, SUPPLY AND DELIVERY OF SCIENCE AND MATHEMATICS EQUIPMENT PACKAGES TO PUBLIC ELEMENTARY FOR GRADES 1 TO 3 AND GRADES 4 TO 6, PUBLIC JUNIOR HIGH SCHOOL FOR GRADES 7 TO 10, AND PUBLIC SENIOR HIGH SCHOOLS FOR GRADES 11 TO 12 (CORE & STEM) 2022 & 2023 (Rebid) (for Lots 2,3,4,5,9,10,11,12,13&19)**

Item Number	Description	Quantity in pieces	Unit of Issue	Sampling Technique <small>(Reference: Quality Control 3rd Edition by Dale H. Besterfield)</small>	Sample Size	AQL	Accept	Reject
II. SCIENCE AND MATHEMATICS EQUIPMENT (MARKET ITEMS)								
LOT 2: CHEMICALS (MI-LOT 2) Location I (NCR, R4B, R7, R9)								
1	Benedict's Solution, 100 mL/bottle	928	bottle	Normal	6.5%	80	10	11
2	Boric Acid, 100 grams/bottle	928	bottle	Normal	6.5%	80	10	11
3	Bromothymol Blue	702	bottle	Normal	6.5%	80	10	11
4	Calcium Chloride, 100 grams / bottle	928	bottle	Normal	6.5%	80	10	11
5	Copper Sulfate, CuSO ₄ , 100 grams/bottle	928	bottle	Normal	6.5%	80	10	11
6	Gentian Violet, 100 ml / bottle	702	bottle	Normal	6.5%	80	10	11
7	Iodine Solution, 100 ml / bottle	715	bottle	Normal	6.5%	80	10	11
8	Magnesium Ribbon, 25 grams, 1 roll	928	roll	Normal	6.5%	80	10	11
9	Manganese Dioxide, 50 grams / bottle	928	bottle	Normal	6.5%	80	10	11
10	Microscope's Immersion Oil, 100mL/bot	702	bottle	Normal	6.5%	80	10	11
11	Phenolphthalein, 100 grams/bottle	715	bottle	Normal	6.5%	80	10	11
12	Potassium Chloride, 100 grams / bottle	928	bottle	Normal	6.5%	80	10	11
13	Potassium Iodide, 100 grams / bottle	928	bottle	Normal	6.5%	80	10	11
14	Sodium Hydroxide (Lye), 250 grams/bottle	928	bottle	Normal	6.5%	80	10	11
15	Yeast, active dry, 100 grams / bottle	702	bottle	Normal	6.5%	80	10	11
16	Zinc Chloride, 100 grams / bottle	928	bottle	Normal	6.5%	80	10	11
17	Zinc metal, pellets/mossy, 100 grams / bottle	928	bottle	Normal	6.5%	80	10	11
LOT 2: CHEMICALS (MI-LOT 2) Location II (CAR, CARAGA, R1, R3, R4A, R8)								
1	Benedict's Solution, 100 mL/bottle	1,316	bottle	Normal	6.5%	125	14	15
2	Boric Acid, 100 grams/bottle	1,316	bottle	Normal	6.5%	125	14	15
3	Bromothymol Blue	1,094	bottle	Normal	6.5%	80	10	11
4	Calcium Chloride, 100 grams / bottle	1,316	bottle	Normal	6.5%	125	14	15
5	Copper Sulfate, CuSO ₄ , 100 grams/bottle	1,316	bottle	Normal	6.5%	125	14	15
6	Gentian Violet, 100 ml / bottle	1,094	bottle	Normal	6.5%	80	10	11
7	Iodine Solution, 100 ml / bottle	1,162	bottle	Normal	6.5%	80	10	11
8	Magnesium Ribbon, 25 grams, 1 roll	1,316	roll	Normal	6.5%	125	14	15
9	Manganese Dioxide, 50 grams / bottle	1,316	bottle	Normal	6.5%	125	14	15
10	Microscope's Immersion Oil, 100mL/bot	1,094	bottle	Normal	6.5%	80	10	11
11	Phenolphthalein, 100 grams/bottle	1,162	bottle	Normal	6.5%	80	10	11
12	Potassium Chloride, 100 grams / bottle	1,316	bottle	Normal	6.5%	125	14	15
13	Potassium Iodide, 100 grams / bottle	1,316	bottle	Normal	6.5%	125	14	15
14	Sodium Hydroxide (Lye), 250 grams/bottle	1,316	bottle	Normal	6.5%	125	14	15
15	Yeast, active dry, 100 grams / bottle	1,094	bottle	Normal	6.5%	80	10	11
16	Zinc Chloride, 100 grams / bottle	1,316	bottle	Normal	6.5%	125	14	15
17	Zinc metal, pellets/mossy, 100 grams / bottle	1,316	bottle	Normal	6.5%	125	14	15
LOT 2: CHEMICALS (MI-LOT 2) Location III (R2, R5, R6, R10, R11, R12)								
1	Benedict's Solution, 100 mL/bottle	1,753	bottle	Normal	6.5%	125	14	15

Item Number	Description	Quantity in pieces	Unit of Issue	Sampling Technique <small>(Reference: Quality Control 3rd Edition by Dale H. Besterfield)</small>	Sample Size	AQL	Accept	Reject
2	Boric Acid, 100 grams/bottle	1,753	bottle	Normal	6.5%	125	14	15
3	Bromothymol Blue	1,426	bottle	Normal	6.5%	125	14	15
4	Calcium Chloride, 100 grams / bottle	1,753	bottle	Normal	6.5%	125	14	15
5	Copper Sulfate, CuSO4, 100 grams/bottle	1,753	bottle	Normal	6.5%	125	14	15
6	Gentian Violet, 100 ml / bottle	1,426	bottle	Normal	6.5%	125	14	15
7	Iodine Solution, 100 ml / bottle	1,473	bottle	Normal	6.5%	125	14	15
8	Magnesium Ribbon, 25 grams, 1 roll	1,753	roll	Normal	6.5%	125	14	15
9	Manganese Dioxide, 50 grams / bottle	1,753	bottle	Normal	6.5%	125	14	15
10	Microscope's Immersion Oil, 100mL/bot	1,426	bottle	Normal	6.5%	125	14	15
11	Phenolphthalein, 100 grams/bottle	1,473	bottle	Normal	6.5%	125	14	15
12	Potassium Chloride, 100 grams / bottle	1,753	bottle	Normal	6.5%	125	14	15
13	Potassium Iodide, 100 grams / bottle	1,753	bottle	Normal	6.5%	125	14	15
14	Sodium Hydroxide (Lye), 250 grams/bottle	1,753	bottle	Normal	6.5%	125	14	15
15	Yeast, active dry, 100 grams / bottle	1,426	bottle	Normal	6.5%	125	14	15
16	Zinc Chloride, 100 grams / bottle	1,753	bottle	Normal	6.5%	125	14	15
17	Zinc metal, pellets/mossy, 100 grams / bottle	1,753	bottle	Normal	6.5%	125	14	15
LOT 3: GLASSWARES AND LAB TOOLS (MI-LOT 3) Location I (NCR, R4B, R7, R9)								
1	Beaker, borosilicate, 250 mL	13,815	pc	Normal	6.5%	315	21	22
2	Beaker, borosilicate, 50 mL	4,640	pc	Normal	6.5%	200	21	22
3	Burette, 10 mL capacity (acid)	65	pc	Normal	6.5%	13	2	3
4	Burette, 10 mL capacity (base)	65	pc	Normal	6.5%	13	2	3
5	Burner, Alcohol, glass, 150 mL Capacity	13,815	pc	Normal	6.5%	315	21	22
6	Burner, Bunsen	4,640	pc	Normal	6.5%	200	21	22
7	Cork Stopper # 5 (for Ø 16mm test tube)	4,640	pc	Normal	6.5%	200	21	22
8	Crucible with lid/cover	4,640	pc	Normal	6.5%	200	21	22
9	Dish, Evaporating, 75 mL	13,815	pc	Normal	6.5%	315	21	22
10	Distillation set-up: Condenser, Liebig-type	65	pc	Normal	6.5%	13	2	3
11	Distillation set-up: Distilling Flask, borosilicate, 250ml,	65	pc	Normal	6.5%	13	2	3
12	Double burette clamp/holder	65	pc	Normal	6.5%	13	2	3
13	Electrolysis Apparatus, student-type (Brownlee)	4,640	pc	Normal	6.5%	200	21	22
14	Flask, Erlenmeyer, borosilicate, narrow-mouth, 250 mL	27,630	pc	Normal	6.5%	315	21	22
15	Funnel, borosilicate, fluted	13,815	pc	Normal	6.5%	315	21	22
16	Glass Tubing, Ø 6 mm x Ø 4 mm x 1500 mm long	9,280	pc	Normal	6.5%	200	21	22
17	Manometer, Open U-tube	65	pc	Normal	6.5%	13	2	3
18	Mortar and Pestle, porcelain, 150 mL.	9,210	pc	Normal	6.5%	200	21	22
19	Osmosis Apparatus	65	pc	Normal	6.5%	13	2	3
20	Pipette, Beral, 1 mL	92,100	pc	Normal	6.5%	500	21	22
21	Reagent Bottle, narrow-mouth, amber, borosilicate, 250 mL	1,130	pc	Normal	6.5%	80	10	11
22	Reagent Bottle, wide-mouth, transparent, borosilicate, 250 mL	4,640	pc	Normal	6.5%	200	21	22
23	Rubber Stopper # 0 (for Ø 16mm test tube)	4,640	pc	Normal	6.5%	200	21	22
24	Spatula, spoon, porcelain and glazed	13,815	pc	Normal	6.5%	315	21	22
25	Stirring Rod, Ø 6 mm x 250 mm long	13,815	pc	Normal	6.5%	315	21	22
26	Test Tube, borosilicate, Ø 16 mm x 150 mm long	138,150	pc	Normal	6.5%	500	21	22
27	Test tube brush	17,325	pc	Normal	6.5%	315	21	22
28	Tong, Beaker	1,130	pc	Normal	6.5%	80	10	11
29	Tong, Crucible	4,640	pc	Normal	6.5%	200	21	22
30	Vial, screw-neck, 25 mL. (with screw-type plastic cap)	69,075	pc	Normal	6.5%	500	21	22
31	Vial, screw-neck, 50 mL. (with screw-type plastic cap)	69,075	pc	Normal	6.5%	500	21	22
32	Watch Glass, Ø 90 mm	18,455	pc	Normal	6.5%	315	21	22
LOT 3: GLASSWARES AND LAB TOOLS (MI-LOT 3) Location II (CAR, CARAGA, R1, R3, R4A, R8)								
1	Beaker, borosilicate, 250 mL	10,440	pc	Normal	6.5%	315	21	22
2	Beaker, borosilicate, 50 mL	6,580	pc	Normal	6.5%	200	21	22
3	Burette, 10 mL capacity (acid)	340	pc	Normal	6.5%	50	7	8

Item Number	Description	Quantity in pieces	Unit of Issue	Sampling Technique <small>(Reference: Quality Control 3rd Edition by Dale H. Besterfield)</small>	Sample Size	AQL	Accept	Reject
4	Burette, 10 mL capacity (base)	340	pc	Normal	6.5%	50	7	8
5	Burner, Alcohol, glass, 150 mL Capacity	10,440	pc	Normal	6.5%	315	21	22
6	Burner, Bunsen	6,580	pc	Normal	6.5%	200	21	22
7	Cork Stopper # 5 (for Ø 16mm test tube)	6,580	pc	Normal	6.5%	200	21	22
8	Crucible with lid/cover	6,580	pc	Normal	6.5%	200	21	22
9	Dish, Evaporating, 75 mL	10,440	pc	Normal	6.5%	315	21	22
10	Distillation set-up: Condenser, Liebig-type	340	pc	Normal	6.5%	50	7	8
11	Distillation set-up: Distilling Flask, borosilicate, 250ml,	340	pc	Normal	6.5%	50	7	8
12	Double burette clamp/holder	340	pc	Normal	6.5%	50	7	8
13	Electrolysis Apparatus, student-type (Brownlee)	6,580	pc	Normal	6.5%	200	21	22
14	Flask, Erlenmeyer, borosilicate, narrow-mouth, 250 mL	20,880	pc	Normal	6.5%	315	21	22
15	Funnel, borosilicate, fluted	10,440	pc	Normal	6.5%	315	21	22
16	Glass Tubing, Ø 6 mm x Ø 4 mm x 1500 mm long	13,160	pc	Normal	6.5%	315	21	22
17	Manometer, Open U-tube	340	pc	Normal	6.5%	50	7	8
18	Mortar and Pestle, porcelain, 150 mL	8,515	pc	Normal	6.5%	200	21	22
19	Osmosis Apparatus	340	pc	Normal	6.5%	50	7	8
20	Pipette, Beral, 1 mL	85,150	pc	Normal	6.5%	500	21	22
21	Reagent Bottle, narrow-mouth, amber, borosilicate, 250 mL	1,110	pc	Normal	6.5%	80	10	11
22	Reagent Bottle, wide-mouth, transparent, borosilicate, 250 mL	6,580	pc	Normal	6.5%	200	21	22
23	Rubber Stopper # 0 (for Ø 16mm test tube)	6,580	pc	Normal	6.5%	200	21	22
24	Spatula, spoon, porcelain and glazed	10,440	pc	Normal	6.5%	315	21	22
25	Stirring Rod, Ø 6 mm x 250 mm long	10,440	pc	Normal	6.5%	315	21	22
26	Test Tube, borosilicate, Ø 16 mm x 150 mm long	104,400	pc	Normal	6.5%	500	21	22
27	Test tube brush	15,910	pc	Normal	6.5%	315	21	22
28	Tong, Beaker	1,110	pc	Normal	6.5%	80	10	11
29	Tong, Crucible	6,580	pc	Normal	6.5%	200	21	22
30	Vial, screw-neck, 25 mL (with screw-type plastic cap)	52,200	pc	Normal	6.5%	500	21	22
31	Vial, screw-neck, 50 mL (with screw-type plastic cap)	52,200	pc	Normal	6.5%	500	21	22
32	Watch Glass, Ø 90 mm	17,020	pc	Normal	6.5%	315	21	22
LOT 3: GLASSWARES AND LAB TOOLS (MI-LOT 3) Location III (R2, R5, R6, R10, R11, R12)								
1	Beaker, borosilicate, 250 mL	13,015	pc	Normal	6.5%	315	21	22
2	Beaker, borosilicate, 50 mL	8,765	pc	Normal	6.5%	200	21	22
3	Burette, 10 mL capacity (acid)	235	pc	Normal	6.5%	32	5	6
4	Burette, 10 mL capacity (base)	235	pc	Normal	6.5%	32	5	6
5	Burner, Alcohol, glass, 150 mL Capacity	13,015	pc	Normal	6.5%	315	21	22
6	Burner, Bunsen	8,765	pc	Normal	6.5%	200	21	22
7	Cork Stopper # 5 (for Ø 16mm test tube)	8,765	pc	Normal	6.5%	200	21	22
8	Crucible with lid/cover	8,765	pc	Normal	6.5%	200	21	22
9	Dish, Evaporating, 75 mL	13,015	pc	Normal	6.5%	315	21	22
10	Distillation set-up: Condenser, Liebig-type	235	pc	Normal	6.5%	32	5	6
11	Distillation set-up: Distilling Flask, borosilicate, 250ml,	235	pc	Normal	6.5%	32	5	6
12	Double burette clamp/holder	235	pc	Normal	6.5%	32	5	6
13	Electrolysis Apparatus, student-type (Brownlee)	8,765	pc	Normal	6.5%	200	21	22
14	Flask, Erlenmeyer, borosilicate, narrow-mouth, 250 mL	26,030	pc	Normal	6.5%	315	21	22
15	Funnel, borosilicate, fluted	13,015	pc	Normal	6.5%	315	21	22
16	Glass Tubing, Ø 6 mm x Ø 4 mm x 1500 mm long	17,530	pc	Normal	6.5%	315	21	22
17	Manometer, Open U-tube	235	pc	Normal	6.5%	32	5	6
18	Mortar and Pestle, porcelain, 150 mL	10,890	pc	Normal	6.5%	315	21	22
19	Osmosis Apparatus	235	pc	Normal	6.5%	32	5	6
20	Pipette, Beral, 1 mL	108,900	pc	Normal	6.5%	500	21	22
21	Reagent Bottle, narrow-mouth, amber, borosilicate, 250 mL	1,635	pc	Normal	6.5%	125	14	15
22	Reagent Bottle, wide-mouth, transparent, borosilicate, 250 mL	8,765	pc	Normal	6.5%	200	21	22
23	Rubber Stopper # 0 (for Ø 16mm test tube)	8,765	pc	Normal	6.5%	200	21	22

Item Number	Description	Quantity in pieces	Unit of Issue	Sampling Technique <small>(Reference: Quality Control 3rd Edition by Dale H. Besterfield)</small>	Sample Size	AQL	Accept	Reject
24	Spatula, spoon, porcelain and glazed	13,015	pc	Normal	6.5%	315	21	22
25	Stirring Rod, Ø 6 mm x 250 mm long	13,015	pc	Normal	6.5%	315	21	22
26	Test Tube, borosilicate, Ø 16 mm x 150 mm long	130,150	pc	Normal	6.5%	500	21	22
27	Test tube brush	20,145	pc	Normal	6.5%	315	21	22
28	Tong, Beaker	1,635	pc	Normal	6.5%	125	14	15
29	Tong, Crucible	8,765	pc	Normal	6.5%	200	21	22
30	Vial, screw-neck, 25 ml. (with screw-type plastic cap)	65,075	pc	Normal	6.5%	500	21	22
31	Vial, screw-neck, 50 mL. (with screw-type plastic cap)	65,075	pc	Normal	6.5%	500	21	22
32	Watch Glass, Ø 90 mm	21,780	pc	Normal	6.5%	315	21	22
LOT 4: SCIENCE DEVICES, INSTRUMENTS, AND MEASURING TOOLS – EARTH & SPACE AND LIVING THINGS (MI-LOT 4) Location I (NCR, R4B, R7, R9)								
1	Balance, Toploading, Electronic	678	pc	Tightened	0.65%	80	10	11
2	Centrifuge	39	pc	Tightened	0.65%	8	1	2
3	Electrical Conductivity (Conductivity of Solutions) Apparatus	3,575	pc	Tightened	0.65%	200	21	22
4	Laboratory Hot Plate with magnetic stirrer	728	pc	Tightened	0.65%	80	10	11
5	Microscope, Digital	226	unit	Tightened	0.65%	32	5	6
6	Soil pH, Moisture, Sunlight Meter	1,130	unit	Normal	6.5%	80	10	11
7	Telescope, Astronomical (Reflecting)	226	unit	Tightened	0.65%	32	5	6
LOT 4: SCIENCE DEVICES, INSTRUMENTS, AND MEASURING TOOLS – EARTH & SPACE AND LIVING THINGS (MI-LOT 4) Location II (CAR, CARAGA, R1, R3)								
1	Balance, Toploading, Electronic	666	pc	Tightened	0.65%	80	10	11
2	Centrifuge	204	pc	Tightened	0.65%	32	5	6
3	Electrical Conductivity (Conductivity of Solutions) Apparatus	5,810	pc	Tightened	0.65%	200	21	22
4	Laboratory Hot Plate with magnetic stirrer	1,230	pc	Tightened	0.65%	125	14	15
5	Microscope, Digital	222	unit	Tightened	0.65%	32	5	6
6	Soil pH, Moisture, Sunlight Meter	1,110	unit	Normal	6.5%	80	10	11
7	Telescope, Astronomical (Reflecting)	222	unit	Tightened	0.65%	32	5	6
LOT 4: SCIENCE DEVICES, INSTRUMENTS, AND MEASURING TOOLS – EARTH & SPACE AND LIVING THINGS (MI-LOT 4) Location III (R2, R5, R6, R10, R11, R1)								
1	Balance, Toploading, Electronic	981	pc	Tightened	0.65%	80	10	11
2	Centrifuge	141	pc	Tightened	0.65%	20	3	4
3	Electrical Conductivity (Conductivity of Solutions) Apparatus	7,365	pc	Tightened	0.65%	200	21	22
4	Laboratory Hot Plate with magnetic stirrer	1,520	pc	Tightened	0.65%	125	14	15
5	Microscope, Digital	327	unit	Tightened	0.65%	50	7	8
6	Soil pH, Moisture, Sunlight Meter	1,635	unit	Normal	6.5%	125	14	15
7	Telescope, Astronomical (Reflecting)	327	unit	Tightened	0.65%	50	7	8
LOT 5: MATHEMATICAL MANIPULATIVES (MI-LOT 5) Location I (NCR, R4B, R7, R9)								
1	Algebra Tile Set, plastic	702	set	Normal	6.5%	80	10	11
2	Base Ten Blocks	9,175	set	Normal	6.5%	200	21	22
3	Beads, Ø16mm	921	set	Normal	6.5%	80	10	11
4	Circle Area Demonstrator	1,835	pc	Normal	6.5%	125	14	15
5	Compass, Drawing, student type	101,480	pc	Normal	6.5%	500	21	22
6	Cuisenaire Rods, 250 pcs/set	1,835	set	Normal	6.5%	125	14	15
7	Elapsed Time (Clock) Set	921	pc	Normal	6.5%	80	10	11
8	Geoboard, 11 x 11	25,370	pc	Normal	6.5%	315	21	22
9	Geoboard, 5 x 5	18,350	pc	Normal	6.5%	315	21	22
10	Geostrips	12,685	set	Normal	6.5%	315	21	22
11	Ghost Grid Whiteboard, Mobile Magnetic, 72-inch x 40-inch	7,368	pc	Normal	6.5%	200	21	22
12	Linking Cubes	9,175	set	Normal	6.5%	200	21	22
13	Model, Basic 3D Geometrical Collapsible	4,570	set	Normal	6.5%	200	21	22
14	Model, Basic 3D Geometrical Solids	1,835	set	Normal	6.5%	125	14	15
15	Pattern Blocks, 250 pcs/set	3,670	set	Normal	6.5%	200	21	22
16	Pentominoes	9,175	set	Normal	6.5%	200	21	22
17	Plastic Two-colored Counters, 1-inch diameter, 200 pcs/set	4,605	set	Normal	6.5%	200	21	22
18	Probability Kit	2,537	Kit	Normal	6.5%	125	14	15
19	Tangrams, set of 30	2,537	set	Normal	6.5%	125	14	15
LOT 5: MATHEMATICAL MANIPULATIVES (MI-LOT 5) Location II (CAR, CARAGA, R1, R3, R4A, R8)								

Item Number	Description	Quantity in pieces	Unit of Issue	Sampling Technique <small>(Reference: Quality Control 3rd Edition by Dale H. Besterfield)</small>	Sample Size	AQL	Accept	Reject
1	Algebra Tile Set, plastic	1,094	set	Normal	6.5%	80	10	11
2	Base Ten Blocks	3,860	set	Normal	6.5%	200	21	22
3	Beads, Ø16mm	385	set	Normal	6.5%	50	7	8
4	Circle Area Demonstrator	772	pc	Normal	6.5%	80	10	11
5	Compass, Drawing, student type	74,640	pc	Normal	6.5%	500	21	22
6	Cuisenaire Rods, 250 pcs/set	772	set	Normal	6.5%	80	10	11
7	Elapsed Time (Clock) Set	385	pc	Normal	6.5%	50	7	8
8	Geoboard, 11 x 11	18,660	pc	Normal	6.5%	315	21	22
9	Geoboard, 5 x 5	7,720	pc	Normal	6.5%	200	21	22
10	Geostrips	9,330	set	Normal	6.5%	200	21	22
11	Ghost Grid Whiteboard, Mobile Magnetic, 72-inch x 40-inch	6,812	pc	Normal	6.5%	200	21	22
12	Linking Cubes	3,860	set	Normal	6.5%	200	21	22
13	Model, Basic 3D Geometrical Collapsible	1,935	set	Normal	6.5%	125	14	15
14	Model, Basic 3D Geometrical Solids	772	set	Normal	6.5%	80	10	11
15	Pattern Blocks, 250 pcs/set	1,544	set	Normal	6.5%	125	14	15
16	Pentominoes	3,860	set	Normal	6.5%	200	21	22
17	Plastic Two-colored Counters, 1-inch diameter, 200 pcs/set	1,925	set	Normal	6.5%	125	14	15
18	Probability Kit	1,866	Kit	Normal	6.5%	125	14	15
19	Tangrams, set of 30	1,866	set	Normal	6.5%	125	14	15
LOT 5: MATHEMATICAL MANIPULATIVES (MI-LOT 5) Location III (R2, R5, R6, R10, R11, R12)								
1	Algebra Tile Set, plastic	1,426	set	Normal	6.5%	125	14	15
2	Base Ten Blocks	4,250	set	Normal	6.5%	200	21	22
3	Beads, Ø16mm	425	set	Normal	6.5%	50	7	8
4	Circle Area Demonstrator	850	pc	Normal	6.5%	80	10	11
5	Compass, Drawing, student type	91,040	pc	Normal	6.5%	500	21	22
6	Cuisenaire Rods, 250 pcs/set	850	set	Normal	6.5%	80	10	11
7	Elapsed Time (Clock) Set	425	pc	Normal	6.5%	50	7	8
8	Geoboard, 11 x 11	22,760	pc	Normal	6.5%	315	21	22
9	Geoboard, 5 x 5	8,500	pc	Normal	6.5%	200	21	22
10	Geostrips	11,380	set	Normal	6.5%	315	21	22
11	Ghost Grid Whiteboard, Mobile Magnetic, 72-inch x 40-inch	8,712	pc	Normal	6.5%	200	21	22
12	Linking Cubes	4,250	set	Normal	6.5%	200	21	22
13	Model, Basic 3D Geometrical Collapsible	2,125	set	Normal	6.5%	125	14	15
14	Model, Basic 3D Geometrical Solids	850	set	Normal	6.5%	80	10	11
15	Pattern Blocks, 250 pcs/set	1,700	set	Normal	6.5%	125	14	15
16	Pentominoes	4,250	set	Normal	6.5%	200	21	22
17	Plastic Two-colored Counters, 1-inch diameter, 200 pcs/set	2,125	set	Normal	6.5%	125	14	15
18	Probability Kit	2,276	Kit	Normal	6.5%	125	14	15
19	Tangrams, set of 30	2,276	set	Normal	6.5%	125	14	15
LOT 9: CHEMICALS (MI-LOT 9)								
1	Benedict's Solution, 100 mL/bottle	4,759	bottle	Normal	6.5%	200	21	22
2	Boric Acid, 100 grams/bottle	4,759	bottle	Normal	6.5%	200	21	22
3	Bromothymol Blue	4,549	bottle	Normal	6.5%	200	21	22
4	Calcium Chloride, 100 grams / bottle	4,759	bottle	Normal	6.5%	200	21	22
5	Copper Sulfate, CuSO ₄ , 100 grams/bottle	4,759	bottle	Normal	6.5%	200	21	22
6	Gentian Violet, 100 ml / bottle	4,549	bottle	Normal	6.5%	200	21	22
7	Iodine Solution, 100 ml / bottle	4,571	bottle	Normal	6.5%	200	21	22
8	Magnesium Ribbon, 25 grams, 1 roll	4,759	roll	Normal	6.5%	200	21	22
9	Manganese Dioxide, 50 grams / bottle	4,759	bottle	Normal	6.5%	200	21	22
10	Microscope's Immersion Oil, 100mL/bot	4,549	bottle	Normal	6.5%	200	21	22
11	Phenolphthalein, 100 grams/bottle	4,571	bottle	Normal	6.5%	200	21	22
12	Potassium Chloride, 100 grams / bottle	4,759	bottle	Normal	6.5%	200	21	22
13	Potassium Iodide, 100 grams / bottle	4,759	bottle	Normal	6.5%	200	21	22
14	Sodium Hydroxide (Lye), 250 grams/bottle	4,759	bottle	Normal	6.5%	200	21	22
15	Yeast, active dry, 100 grams / bottle	4,549	bottle	Normal	6.5%	200	21	22
16	Zinc Chloride, 100 grams / bottle	4,759	bottle	Normal	6.5%	200	21	22
17	Zinc metal, pellets/mossy, 100 grams / bottle	4,759	bottle	Normal	6.5%	200	21	22
LOT 10: GLASSWARES AND LAB TOOLS (MI-LOT 10)								

Item Number	Description	Quantity in pieces	Unit of Issue	Sampling Technique <small>(Reference: Quality Control 3rd Edition by Dale H. Besterfield)</small>	Sample Size	AQL	Accept	Reject
1	Beaker, borosilicate, 250 mL	38,721	pc	Normal	6.5%	500	21	22
2	Beaker, borosilicate, 50 mL	23,795	pc	Normal	6.5%	315	21	22
3	Burette, 10 mL capacity (acid)	110	pc	Normal	6.5%	20	3	4
4	Burette, 10 mL capacity (base)	110	pc	Normal	6.5%	20	3	4
5	Burner, Alcohol, glass, 150 mL Capacity	38,720	pc	Normal	6.5%	500	21	22
6	Burner, Bunsen	23,795	pc	Normal	6.5%	315	21	22
7	Cork Stopper # 5 (for Ø 16mm test tube)	23,795	pc	Normal	6.5%	315	21	22
8	Crucible with lid/cover	23,795	pc	Normal	6.5%	315	21	22
9	Dish, Evaporating, 75 mL	38,720	pc	Normal	6.5%	500	21	22
10	Distillation set-up: Condenser, Liebig-type	110	pc	Normal	6.5%	20	3	4
11	Distillation set-up: Distilling Flask, borosilicate, 250mL	110	pc	Normal	6.5%	20	3	4
12	Double burette clamp/holder	110	pc	Normal	6.5%	20	3	4
13	Electrolysis Apparatus, student-type (Brownlee)	23,795	pc	Normal	6.5%	315	21	22
14	Flask, Erlenmeyer, borosilicate, narrow-mouth, 250 mL	77,440	pc	Normal	6.5%	500	21	22
15	Funnel, borosilicate, fluted	38,720	pc	Normal	6.5%	500	21	22
16	Glass Tubing, Ø 6 mm x Ø 4 mm x 1500 mm long	47,590	pc	Normal	6.5%	500	21	22
17	Manometer, Open U-tube	110	pc	Normal	6.5%	20	3	4
18	Mortar and Pestle, porcelain, 150 mL	32,620	pc	Normal	6.5%	315	21	22
19	Osmosis Apparatus	110	pc	Normal	6.5%	20	3	4
20	Reagent Bottle, narrow-mouth, amber, borosilicate, 250 mL	1,050	pc	Normal	6.5%	80	10	11
21	Reagent Bottle, wide-mouth, transparent, borosilicate, 250 mL	23,795	pc	Normal	6.5%	315	21	22
22	Rubber Stopper # 0 (for Ø 16mm test tube)	23,795	pc	Normal	6.5%	315	21	22
23	Spatula, spoon, porcelain and glazed	38,720	pc	Normal	6.5%	500	21	22
24	Stirring Rod, Ø 6 mm x 250 mm long	38,720	pc	Normal	6.5%	500	21	22
25	Test tube brush	38,720	pc	Normal	6.5%	500	21	22
26	Test Tube, borosilicate, Ø 16 mm x 150 mm long	387,200	pc	Normal	6.5%	800	21	22
27	Tong, Crucible	23,795	pc	Normal	6.5%	315	21	22
28	Vial, screw-neck, 25 ml. (with screw-type plastic cap)	193,600	pc	Normal	6.5%	800	21	22
29	Vial, screw-neck, 50 mL. (with screw-type plastic cap)	193,600	pc	Normal	6.5%	800	21	22
30	Watch Glass, Ø 90 mm	38,720	pc	Normal	6.5%	500	21	22
LOT 11: SCIENCE DEVICES, INSTRUMENTS AND MEASURING TOOLS MATTER (MI-LOT 11)								
1	Balance, Toploading, Electronic	1,050	pc	Tightened	0.65%	80	10	11
2	Balance, Triple Beam, with tare, 2610-gram	22,745	pc	Tightened	0.65%	315	21	22
3	Calorimeter	110	pc	Normal	6.5%	20	3	4
4	Centrifuge	66	pc	Tightened	0.65%	13	2	3
5	Electrical Conductivity (Conductivity of Solutions) Apparatus	22,855	pc	Tightened	0.65%	315	21	22
6	Filter Paper, crepe, 580mm x 580 mm sheet, Grade 0905	65,240	sheet	Normal	6.5%	500	21	22
7	Gloves, Hand, super nitrile	38,720	pair	Normal	6.5%	500	21	22
8	Graduated Cylinder, borosilicate, 10 mL	32,620	pc	Normal	6.5%	315	21	22
9	Graduated Cylinder, borosilicate, 100 mL	32,620	pc	Normal	6.5%	315	21	22
10	Graduated pipette with rubber pipettor, borosilicate, 10 mL	110	pc	Normal	6.5%	20	3	4
11	Hydrometer for heavy liquids	110	pc	Normal	6.5%	20	3	4
12	Hydrometer for light liquids	110	pc	Normal	6.5%	20	3	4
13	Laboratory Hot Plate with magnetic stirrer	5,709	pc	Tightened	0.65%	200	21	22
14	Safety Goggles, polycarbonate	38,720	pair	Normal	6.5%	500	21	22
15	Thermometer, Laboratory type, Alcohol, -20°C to 110°C	38,720	pc	Normal	6.5%	500	21	22
LOT 12: SCIENCE DEVICES, INSTRUMENTS, AND MEASURING TOOLS – EARTH & SPACE AND LIVING THINGS (MI-LOT 12)								
1	Anemometer with Wind Vane, Cup type	5,970	pc	Normal	6.5%	200	21	22
2	Anemometer, Simple	2,985	pc	Normal	6.5%	125	14	15
3	Aneroid Barometer Set (Demonstration Type)	37,670	pc	Normal	6.5%	500	21	22
4	Aneroid Barometer, wall-mount	7,534	pc	Normal	6.5%	200	21	22
5	Compass, Magnetic	31,570	pc	Normal	6.5%	315	21	22

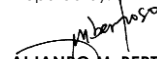
Item Number	Description	Quantity in pieces	Unit of Issue	Sampling Technique <small>(Reference: Quality Control 3rd Edition by Dale H. Besterfield)</small>	Sample Size	AQL	Accept	Reject
6	Dissecting Set with pan	110	pc	Normal	6.5%	20	3	4
7	First Aid Kit	1,765	kit	Normal	6.5%	125	14	15
8	Gloves, Surgical	220	pair	Normal	6.5%	32	5	6
9	Hand Lens, 10x magnification	1,050	pc	Normal	6.5%	80	10	11
10	Hand Lens, 5x magnification	15,035	pc	Normal	6.5%	315	21	22
11	Hexagonal Weigh Dishes Set, 50mL, 500 pcs/pack	2,985	pack	Normal	6.5%	125	14	15
12	Lens Paper, 50's/pack	22,745	pack	Normal	6.5%	315	21	22
13	Microscope, Compound with 4 Objectives	90,980	unit	Tightened	0.65%	500	21	22
14	Microscope, Digital	210	unit	Tightened	0.65%	32	5	6
15	Pipette, Beral, 1 mL	326,200	pc	Normal	6.5%	800	21	22
16	Prepared Slide Set, Microscope, 25 pieces	4,759	set	Normal	6.5%	200	21	22
17	Prepared Slide Set, Mitosis and Meiosis	4,549	set	Normal	6.5%	200	21	22
18	Reaction Plates with 6 Wells	23,795	pc	Normal	6.5%	315	21	22
19	Sedimentator Tube	1,050	pc	Normal	6.5%	80	10	11
20	Slng Psychrometer	8,825	pc	Normal	6.5%	200	21	22
21	Soil pH, Moisture, Sunlight Meter	1,050	unit	Normal	6.5%	80	10	11
22	Soil/Test Sieve*	1,765	set	Normal	6.5%	125	14	15
23	Thermometer, Classroom, wall-mount	1,765	pc	Normal	6.5%	125	14	15
24	Tong, Beaker	1,050	pc	Normal	6.5%	80	10	11
25	Wash Bottle, plastic, 250 mL	38,720	pc	Normal	6.5%	500	21	22
LOT 13: MATHEMATICAL MANIPULATIVES (MI-LOT 13)								
1	Algebra Tile Set, plastic	4,549	set	Normal	6.5%	200	21	22
2	Base Ten Blocks	14,925	set	Normal	6.5%	315	21	22
3	Beads, Ø16mm	1,220	set	Normal	6.5%	125	14	15
4	Circle Area Demonstrator	2,985	pc	Normal	6.5%	125	14	15
5	Compass, Drawing, student type	301,360	pc	Normal	6.5%	800	21	22
6	Cuisenaire Rods, 250 pcs/set	2,985	set	Normal	6.5%	125	14	15
7	Elapsed Time (Clock) Set	1,220	pc	Normal	6.5%	125	14	15
8	Geoboard, 11 x 11	75,340	pc	Normal	6.5%	500	21	22
9	Geoboard, 5 x 5	29,850	pc	Normal	6.5%	315	21	22
10	Geostrips	37,670	set	Normal	6.5%	500	21	22
11	Ghost Grid Whiteboard, Mobile Magnetic, 72-inch x 40-inch	26,096	pc	Normal	6.5%	315	21	22
12	Linking Cubes	14,925	set	Normal	6.5%	315	21	22
13	Model, Basic 3D Geometrical Collapsible	8,825	set	Normal	6.5%	200	21	22
14	Model, Basic 3D Geometrical Solids	2,985	set	Normal	6.5%	125	14	15
15	Pattern Blocks, 250 pcs/set	5,970	set	Normal	6.5%	200	21	22
16	Pentominoes	14,925	set	Normal	6.5%	315	21	22
17	Plastic Two-colored Counters, 1-inch diameter, 200 pcs/set	6,100	set	Normal	6.5%	200	21	22
18	Probability Kit	7,534	Kit	Normal	6.5%	200	21	22
19	Tangrams, set of 30	7,534	set	Normal	6.5%	200	21	22
LOT 19: FORCE, MOTION AND ENERGY KITS (MI-LOT 19)								
1	Advanced Electromagnetism Kit	110	kit	Normal	6.5%	20	3	4
2	Air Blower	22	pc	Normal	6.5%	5	1	2
3	Archimedes Principle Set	110	set	Normal	6.5%	20	3	4
4	Basic Electronics Kit	110	kit	Normal	6.5%	20	3	4
5	Basic Lens Set, acrylic	22,855	pc	Normal	6.5%	315	21	22
6	Coefficient of Linear Expansion	110	pc	Normal	6.5%	20	3	4
7	Connector, Black (# 18 copper, AWG stranded) with alligator clip on one end and banana plug on the other end	113,340	pc	Normal	6.5%	500	21	22
8	Connector, Red (# 18 copper, AWG stranded) with alligator clip on one end and banana plug on the other end	113,340	pc	Normal	6.5%	500	21	22
9	Connector, Yellow (# 18 copper, AWG stranded) with alligator clip on one end and banana plug on the other end	91,420	pc	Normal	6.5%	500	21	22
10	DC Ammeter	22,855	unit	Normal	6.5%	315	21	22
11	DC String Vibrator, string included	1,050	pc	Normal	6.5%	80	10	11
12	DC Voltmeter	22,855	unit	Normal	6.5%	315	21	22
13	Diffraction slits & Diffraction grating Set	22,745	set	Normal	6.5%	315	21	22
14	Digital Geiger-Muller Counter with radioisotopes samples	20	pc	Tightened	0.65%	5	1	2
15	Dry Cell Holder (size D)	151,120	pc	Normal	6.5%	800	21	22

Item Number	Description	Quantity in pieces	Unit of Issue	Sampling Technique <small>(Reference: Quality Control 3rd Edition by Dale H. Besterfield)</small>	Sample Size	AQL	Accept	Reject
16	Dry Cell, 1.5 volts, size D	151,120	pc	Normal	6.5%	800	21	22
17	Engine Model (Internal Combustion)	110	pc	Normal	6.5%	20	3	4
18	Flask, Florence, glass, 500 mL	110	pc	Normal	6.5%	20	3	4
19	Force Table	110	pc	Normal	6.5%	20	3	4
20	Fuse Holder w/ Fuse	22,855	pc	Normal	6.5%	315	21	22
21	Galvanometer	22,855	unit	Normal	6.5%	315	21	22
22	Helical Spring	22,855	pc	Normal	6.5%	315	21	22
23	Iron Core Rod (non-corrugated)	8,825	pc	Normal	6.5%	200	21	22
24	Laser Light	23,795	pc	Normal	6.5%	315	21	22
25	Long Nose Pliers, 6-inch, 1 pair/set	1,765	pc	Normal	6.5%	125	14	15
26	Magnet Wire	8,079	spool	Normal	6.5%	200	21	22
27	Manometer, Open U-tube with Nakamura-type Water Pressure Apparatus	110	pc	Normal	6.5%	20	3	4
28	Miniature Light Bulb	113,340	pc	Normal	6.5%	500	21	22
29	Miniature Light Bulb Holder	113,340	assy	Normal	6.5%	500	21	22
30	Mirror Set, acrylic	22,855	set	Normal	6.5%	315	21	22
31	Motor-Generator Model Experiment Set	22,855	set	Normal	6.5%	315	21	22
32	Multimeter, digital	220	pc	Normal	6.5%	32	5	6
33	Optical Bench Set	22,855	set	Normal	6.5%	315	21	22
34	Pair of Bar Magnets	24,023	pair	Normal	6.5%	315	21	22
35	Prism Set	23,795	set	Normal	6.5%	315	21	22
36	Resistance Board	110	pc	Normal	6.5%	20	3	4
37	Ring and Ball Apparatus	110	unit	Normal	6.5%	20	3	4
38	Ripple Tank Set	110	set	Normal	6.5%	20	3	4
39	Slinky Coil, metal	22,855	unit	Normal	6.5%	315	21	22
40	Sound Resonance Set: Loud Speaker	110	pc	Normal	6.5%	20	3	4
41	Sound Resonance Set: Resonance Tube, close-ended	110	pc	Normal	6.5%	20	3	4
42	Sound Resonance Set: Tone Generator	110	pc	Normal	6.5%	20	3	4
43	Strobe Light	1,050	pc	Normal	6.5%	80	10	11
44	Switch, Knife type, Single Pole Single Throw	37,780	pc	Normal	6.5%	500	21	22
45	Ticker Timer Set	22,745	set	Normal	6.5%	315	21	22
46	Toy Car, non-friction, non-battery	6,100	pc	Normal	6.5%	200	21	22
47	Tuning Fork Set	110	pc	Normal	6.5%	20	3	4
48	Vacuum Tube and Manual Vacuum Pump	1,050	set	Normal	6.5%	80	10	11
	TOTAL	6,579,053						

Notes:

- a) The samples shall be randomly selected from the lot.
- b) AQL - Acceptable Quality Level
- c) Inspection shall be based on the Inspection and Test Protocol of every item prepared by BLR Cebu.
- d) If the rejection rate is high, the Inspectorate Team may opt for a 100% inspection of the goods.
- e) Recommend to divide the total quantity available for inspection into several lots. Reducing the lot size will make the sorting effective and faster. The resizing of the lot is necessary to reduce the risk of delivering a defective item due to a very alarming rejection tolerance.
- f) In case a sample is found to be defective and still within the AQL, the inspectors shall have final decision to accept or reject the lot based on the gravity of the defect/s discovered.**
- g) The rejected lot shall be returned to the Supplier for sorting and re-submit the sorted lot for re-inspection.
- h) Inform the supplier of the defect/s discovered as basis during sorting of the rejected lot.
- i) Reference: Quality Control 3rd Edition by Dale H. Besterfield / Department Order no. 41, s. 2021**

Prepared by:


ALJANRO M. BERTUOSO
(SIGNATURE OVER PRINTED NAME)
Engineer III