



# Test Report

Report No.: STRD1509155R-1

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Applicant Name: FIMOR S.A.S

Applicant Add: 210,RUE DU PLOYGONE F-72058 LE MANS-CEDEX 2,FRANCE

Sample Name: Serilor® CERAM 55shA natural

Item No.: 091442 110-315

Material:PU

Supplier: FIMOR

Reference Item No.: /

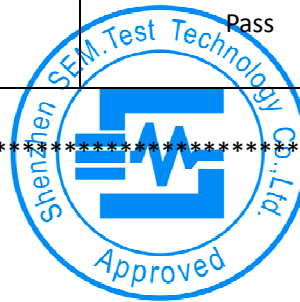
Sample Receiving Date: 2015-09-29

Testing Period: 2015-09-29 to 2015-10-10

Tests Conducted: As requested by the applicant,for details refer to attached page(s).

\*\*\*\*\*  
**Conclusion:**

Test Item	Conclusion
According to the specified scope and analytical techniques, concentrations of tested SVHC are $\leq$ 0.1% (w/w) in the submitted sample	Pass



\*\*\*\*\*

Tested by: Spring Dai      Compiled by: Fred Gong      Approved by: Ailis Ma

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## Sample Description :

Specimen No.	Description
SN1	White plastic

## Test Method :

In-house method were used and Analysis is based on GC-MS,ICP-OES,UV-VIS and other detection techniques

## Test Result: (Substances in the Candidate List of SVHC)

Substance Name	CAS No.	Concentration (%)	RL (%)
All tested SVHC in candidate list	-	ND	-

## Notes :

- 1.The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.
- 2.RL = Reporting Limit. All RL are based on homogenous material.ND = Not detected (lower than RL), ND is denoted on the SVHC substance.
- 3.\*The test result is based on the calculation of selected element(s) / marker(s) and to the worst-casescenario.
4. Calculated concentration of boric compounds are based on the water extractive boron by ICP-OES.
5.  $\Delta$  CAS No. of diastereoisomers identified ( $\alpha$ -HBCDD,  $\beta$ -HBCDD,  $\gamma$ -HBCDD): 134237-50-6, 134237-51-7, 134237-52-8.
6.  $\star$  CAS No. of Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride: 25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9; EC No. of those: 247-094-1, 243-072-0, 256-356-4, 260-566-1.
7.  $\S$  The substance is proposed for the identification as SVHC only where it contains Michler's ketone (CAS Number: 90-94-8) or Michler's base (CAS Number: 101-61-1)  $\geq 0.1\%$  (w/w).

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**Full list of tested SVHC**

Batch	No.	Substance Name	CAS No.	RL(%)
I	1	4,4' -Diaminodiphenylmethane(MDA)	101-77-9	0.05
I	2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	0.05
I	3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	0.05
I	4	Anthracene	120-12-7	0.05
I	5	Benzyl butyl phthalate (BBP)	85-68-7	0.05
I	6	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	0.05
I	7	Bis(tributyltin)oxide (TBTO)	56-35-9	0.05
I	8	Cobalt dichloride*	7646-79-9	0.05
I	9	Diarsenic pentaoxide*	1303-28-2	0.05
I	10	Diarsenic trioxide*	1327-53-3	0.05
I	11	Dibutyl phthalate (DBP)	84-74-2	0.05
I	12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD) $\Delta$	25637-99-4, 3194-55-6	0.05
I	13	Lead hydrogen arsenate*	7784-40-9	0.05
I	14	Sodium dichromate*	7789-12-0, 10588-01-9	0.05
II	15	Triethyl arsenate*	15606-95-8	0.05
II	16	2,4-Dinitrotoluene	121-14-2	0.05
II	17	Acrylamide	79-06-1	0.05
II	18	Anthracene oil*	90640-805	0.05
II	19	Anthracene oil, anthracene paste*	90640-81-6	0.01
II	20	Anthracene oil, anthracene paste, anthracene fraction*	91995-15-2	0.01
II	21	Anthracene oil, anthracene paste, distn. lights*	91995-17-4	0.01
II	22	Anthracene oil, anthracene-low*	90640-82-7	0.01
II	23	Diisobutyl phthalate	84-69-5	0.05
II	24	Lead chromate*	7758-97-6	0.05
II	25	Lead chromate molybdate sulphate red (C.I. Pigment Red104)*	12656-85-8	0.05
II	26	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	0.05
II	27	Pitch, coal tar, high temp.*	65996-93-2	0.01
II	28	Tris(2-chloroethyl)phosphate	115-96-8	0.05

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Batch	No.	Substance Name	CAS No.	RL(%)
III	29	Ammonium dichromate*	7789-09-5	0.05
III	30	Boric acid*	10043-35-3, 1113-50-1	0.05
III	31	Disodium tetraborate, anhydrous*	1303-96-4, 1330-43-4, 13179-04-3	0.05
III	32	Potassium chromate*	7789-00-6	0.05
III	33	Potassium dichromate*	7778-50-9	0.05
III	34	Sodium chromate*	7775-11-3	0.05
III	35	Tetraboron disodium heptaoxide, hydrate*	1226773-1	0.05
III	36	Trichloroethylene	79-01-6	0.05
IV	37	2-Ethoxyethanol	110-80-5	0.05
IV	38	2-Methoxyethanol	109-86-4	0.05
IV	39	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*	7738-94-5- 13530-68-2	0.05
IV	40	Chromium trioxide*	1333-82-0	0.05
IV	41	Cobalt(II) carbonate*	513-79-1	0.05
IV	42	Cobalt(II) diacetate*	71-48-7	0.05
IV	43	Cobalt(II) dinitrate*	10141-05-6	0.05
IV	44	Cobalt(II) sulphate*	10124-43-3	0.05
V	45	1,2,3-trichloropropane	96-14-4	0.05
V	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.05
V	47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.05
V	48	1-methyl-2-pyrrolidone	872-50-4	0.05
V	49	2-ethoxyethyl acetate	111-15-9	0.05
V	50	Hydrazine	7803-57-8, 302-01-2	0.05
V	51	Strontium chromate*	7789-06-2	0.05
VI	52	1,2-Dichloroethane	107-06-2	0.05
VI	53	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	0.05
VI	54	2-Methoxyaniline; o-Anisidine	90-04-0	0.05
VI	55	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.05
VI	56	Aluminosilicate Refractory Ceramic Fibres *	650-017-00-8 (Index no.)	0.05
VI	57	Arsenic acid*	7778-39-4	0.01

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Bath	No.	Substance Name	CAS No.	RL(%)
VI	58	Bis(2-methoxyethyl) ether	111-96-6	0.05
VI	59	Bis(2-methoxyethyl) phthalate	117-82-8	0.05
VI	60	Calcium arsenate*	7778-44-1	0.05
VI	61	Dichromium tris(chromate) *	24613-89-6	0.05
VI	62	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	0.05
VI	63	Lead diazide, Lead azide*	13424-46-9	0.05
VI	64	Lead dipicrate*	6477-64-1	0.05
VI	65	Lead styphnate*	15245-44-0	0.05
VI	66	N,N-dimethylacetamide	127-19-5	0.05
VI	67	Pentazinc chromate octahydroxide*	49663-84-5	0.05
VI	68	Phenolphthalein	77-09-8	0.05
VI	69	Potassium hydroxyoctaoxidizincatedichromate*	11103-86-9	0.05
VI	70	Trilead diarsenate*	3687-31-8	0.05
VI	71	Zirconia Aluminosilicate Refractory Ceramic Fibres*	650-017-00-8 (Index no.)	0.05
VII	72	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) §	2580-56-5	0.05
VII	73	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) §	548-62-9	0.05
VII	74	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.05
VII	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.05
VII	76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8	0.05
VII	77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol §	561-41-1	0.05
VII	78	Diboron trioxide*	1303-86-2	0.05
VII	79	Formamide	75-12-7	0.05
VII	80	Lead(II) bis(methanesulfonate)*	17570-76-2	0.05
VII	81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.05
VII	82	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-63-9	0.05

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Bath	No.	Substance Name	CAS No.	RL(%)
VII	83	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol(C.I.Solvent Blue 4)§	6786-83-0	0.05
VII	84	$\beta$ -TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	0.05
VIII	85	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.05
VIII	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.05
VIII	87	1,2-Diethoxyethane	629-14-1	0.05
VIII	88	1-Bromopropane	106-94-5	0.05
VIII	89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04- 2	0.05
VIII	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	0.05
VIII	91	4,4'-Methylenedi-o-toluidine	838-88-0	0.05
VIII	92	4,4'-Oxydianiline and its salts	101-80-4	0.05
VIII	93	4-Aminoazobenzene	60-09-3	0.05
VIII	94	4-Methyl-m-phenylenediamine	95-80-7	0.05
VIII	95	4-Nonylphenol, branched and linear	-	0.05
VIII	96	6-Methoxy-m-toluidine	120-71-8	0.05
VIII	97	Acetic acid, lead salt, basic*	51404-69-4	0.05
VIII	98	Biphenyl-4-ylamine	92-67-1	0.05
VIII	99	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	0.05
VIII	100	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7, 13149-00-3, 14166-21-3	0.05
VIII	101	Diazene-1,2-dicarboxamide (C,C'-azodi(fomamide))	123-77-3	0.05
VIII	102	Dibutyltin dichloride (DBTC)	683-18-1	0.05
VIII	103	Diethyl sulphate	64-67-5	0.05
VIII	104	Diisopentylphthalate	605-50-5	0.05
VIII	105	Dimethyl sulphate	77-78-1	0.05
VIII	106	Dinoseb	88-85-7	0.05
VIII	107	Dioxobis(stearato)trilead*	12578-12-0	0.05
VIII	108	Fatty acids, C16-18, lead salts*	91031-62-8	0.05
VIII	109	Furan	110-00-9	0.05
VIII	110	Henicosaflluoroundecanoic acid	2058-94-8	0.05
VIII	111	Heptacosaflluorotetradecanoic acid	376-06-7	0.05

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Bath	No.	Substance Name	CAS No.	RL(%)
VIII	112	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	☆	0.05
VIII	113	Lead bis(tetrafluoroborate)*	13814-96-5	0.05
VIII	114	Lead cyanamidate*	20837-86-9	0.05
VIII	115	Lead dinitrate*	10099-74-8	0.05
VIII	116	Lead monoxide*	1317-36-8	0.05
VIII	117	Lead oxide sulfate*	12036-76-9	0.05
VIII	118	Lead tetroxide (orange lead)*	1314-41-6	0.05
VIII	119	Lead titanium trioxide*	12060-00-3	0.05
VIII	120	Lead titanium zirconium oxide*	12626-81-2	0.05
VIII	121	Methoxyacetic acid	625-45-6	0.05
VIII	122	Methyloxirane (Propylene oxide)	75-56-9	0.05
VIII	123	N,N-dimethylformamide	68-12-2	0.05
VIII	124	N-Methylacetamide	79-16-3	0.05
VIII	125	N-Pentyl-isopentylphthalate	776297-69-9	0.05
VIII	126	o-Aminoazotoluene	97-56-3	0.05
VIII	127	o-Toluidine	95-53-4	0.05
VIII	128	Pentacosafuorotridecanoic acid	72629-90-6	0.05
VIII	129	Pentalead tetraoxide sulphate*	12065-90-6	0.05
VIII	130	Pyrochlore, antimony lead yellow*	8012-00-8	0.05
VIII	131	Silicic acid, barium salt, lead-doped*	68784-75-8	0.05
VIII	132	Silicic acid, lead salt*	11120-22-2	0.05
VIII	133	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.05
VIII	134	Tetraethyllead*	78-00-2	0.05
VIII	135	Tetralead trioxide sulphate*	12202-17-4	0.05
VIII	136	Tricosafuorododecanoic acid	307-55-1	0.05
VIII	137	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	0.05
VIII	138	Trilead dioxide phosphonate*	12141-20-7	0.05
IX	139	4-Nonylphenol, branched and linear, ethoxylated	-	0.05
IX	140	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	0.05
IX	141	Cadmium oxide*	1306-19-0	0.05
IX	142	Cadmium*	7440-43-9	0.05
IX	143	Dipentyl phthalate (DPP)	131-18-0	0.05
IX	144	Pentadecafluorooctanoic acid (PFOA)	355-67-1	0.05
X	145	Cadmium sulphide*	1306-23-6	0.05

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Bath	No.	Substance Name	CAS No.	RL(%)
X	146	Dihexyl phthalate	84-75-3	0.05
X	147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-amino naphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.05
X	148	Disodium 4-amino-3'-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate(C.I.Direct Black38)	1937-37-7	0.05
X	149	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	0.05
X	150	Lead di(acetate)*	301-04-2	0.05
X	151	Trixylyl phosphate	25155-23-1	0.05
XI	152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.05
XI	153	Cadmium chloride*	10108-64-2	0.05
XI	154	Sodium perborate; perboric acid, sodium salt*	-	0.05
XI	155	Sodium peroxometaborate*	7632-4-4	0.05
XI	156	Cadmium fluoride *	7790-79-6	0.05
XI	157	Cadmium sulphate *	10124-36-4, 31119-53-6	0.05
XI	158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.05
XI	159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.05
XI	160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	0.05
XI	161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate(reaction mass of DOTE and MOTE)	-	0.05
XII	162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate	68515-51-5, 68648-93-1	0.05
XII	163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane[1],5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2]or any combination thereof	-	0.05

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**Remark :**

(1) The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:  
<http://echa.europa.eu/web/guest/candidate-list-table>

These lists are under evaluation by ECHA and may subject to change in the future.

(2) Concerning article(s):

In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

(3) Concerning material(s):

Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article. If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

(4) Concerning substance and preparation:

If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and No 790/2009, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:

- a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
- a mixture that is classified as dangerous according Dangerous Preparations Directive

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1999/45/EC or classified as hazardous under the CLP Regulation (EC) No 1272/2008, when their concentrations are equal to, or greater than, those defined in the Article 3(3) of 1999/45/EC or the lower values given in Part 3 of Annex VI of Regulation (EC) No. 1272/2008; or

- a mixture is not classified as dangerous under Directive 1999/45/EC, but contains either:

(a) a substance posing human health or environmental hazards in an individual concentration of  $\geq 1\%$  by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or  $\geq 0.2\%$  by volume for gaseous mixtures; or

(b) a substance that is PBT, or vPvB in an individual concentration of  $\geq 0.1\%$  by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or

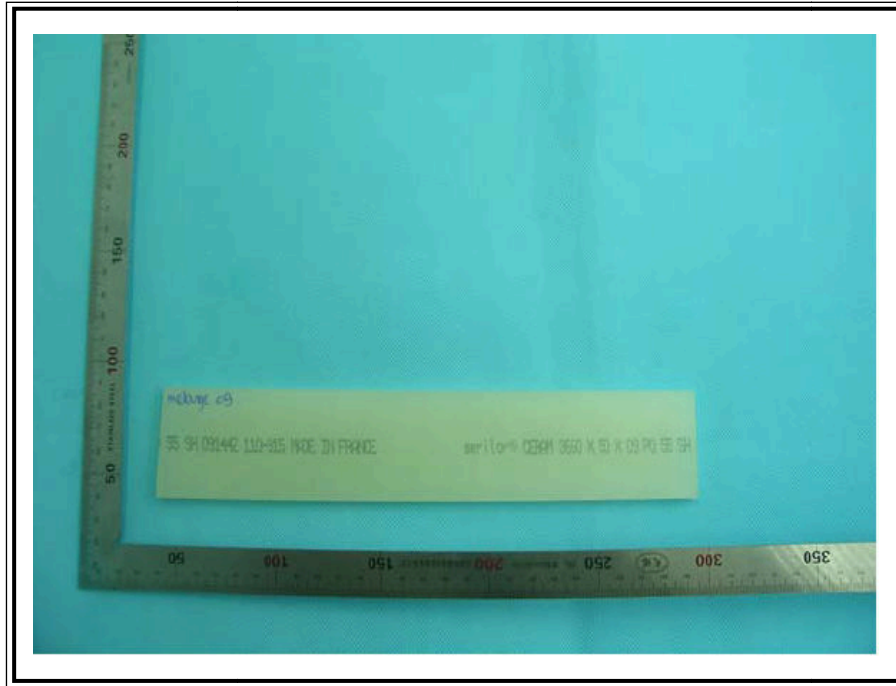
(c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of  $\geq 0.1\%$  by weight for non-gaseous mixtures; or

(d) a substance for which there are Europe-wide workplace exposure limits.

(5) If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

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**Sample Photo:**



**-The End-**

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