



Test Report

LAB LOCATION: SHANGHAI
REPORT NUMBER: 64321-060075

ISSUE DATE: June 16, 2021
PAGE: 1 of 2

Applicant : Hiwork Enterprise Limited
RMS 05-15, 13A-F SOUTH TOWER, WORLD FINANCE CTR HARBOUR
CITY, 17 CANTON RD, TST, KL, HONG KONG

Contact Person : FIONA WU

Sample Description : EASTER FUN DOUGH 4-1 OZ

Style Number : S22

PO Number : /

SKU Number : /

Buyer : /

Factory Name : LIANGSHAN CHUANGXIN ARTS AND CRAFTS

Country of Origin : China

Country of Destination : /

Date of Submission : June 04, 2021

Test Performance Dates : June 04, 2021– June 16, 2021

Overall Rating : **PASS**

Photo of Submitted Sample



For and on behalf of
Modern Testing Services Co., Ltd.

Gao Jian, David
Assistant Manager, Toy Division

Modern Testing Services Co., Ltd.

No. 105 Guangzhong Rd., Zhuangjiao Town, Minhang, Shanghai, China P.R.C.201108
Tel: (86) 21-23509600 Fax: (86) 21-23509700 Email: infosh@mts-global.com Website : www.mts-global.com



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PAGE: 2 of 2

TEST RESULT SUMMARY

Test Requested	Results
Labeling of Hazardous Art Materials Act (LHAMA) Certification	PASS
USA Toxicological Risk Assessment	PASS
CANADA Toxicological Risk Assessment	PASS

TEST RESULT:

Labeling of Hazardous Art Materials Act (LHAMA) Certification

Please refer to the report dated June 14, 2021 which are issued by certified toxicologist, Jongsei Park (Ph.D.).

USA Toxicological Risk Assessment

Please refer to the report dated June 14, 2021 which are issued by certified toxicologist, Jongsei Park (Ph.D.).

CANADA Toxicological Risk Assessment

Please refer to the report dated June 14, 2021 which are issued by certified toxicologist, Jongsei Park (Ph.D.).

****End of Test Report****

NOTE:

If there is question or concern regarding the above results, please contact us via email vshi@mts-global.com

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No. 105 Guangzhong Rd., Zhuangqiao Town, Minhang, Shanghai, China P.R.C.201108
Tel: (86) 21-23509600 Fax: (86) 21-23509700 Email: infosh@mts-global.com Website : www.mts-global.com



Labeling of Hazardous Art Materials Act (LHAMA) Certification

TEST:

Evaluation of **“Hiwork Enterprise Limited, Easter Fun Dough 4-1 oz (Colors: Blue, Green, Yellow, Purple)”** for requirements of applicable sections of U.S. Federal Hazardous Substance Act (FHSA) Regulations (16 CFR 1500), ASTM Designation D 4236-94 Standard Practice for Labeling Art Materials for Chronic Health Hazards, and the Consumer Product Safety Commission Labeling Requirements for Art Materials presenting Chronic Hazards (16 CFR 1500), 64321-060075 A.

Background:

Quantitative list of the ingredients in **“Hiwork Enterprise Limited, Easter Fun Dough 4-1 oz (Colors: Blue, Green, Yellow, Purple)”** was submitted to the reviewer. Specific physical and chemical form of the art material product, bioavailability, concentration, and the amount of each potentially chronic toxic component found in the formulation is determined from examination of the formulation, labeling, packaging and instructions for use supplied by the manufacturer and from examination of the art material product.

The review of the formulation of the submitted **“Hiwork Enterprise Limited, Easter Fun Dough 4-1 oz (Colors: Blue, Green, Yellow, Purple)”** sample was conducted by a board certified toxicologist, Jongsei Park, Ph.D. (Fellow, Academy of Toxicological Sciences, Diplomate, American Board of Forensic Toxicology, CLD, American Board of Bio-Analysis) according to the criteria defined in the American Society for Testing Materials (ASTM) Standard D-4236 and the U.S. Consumer Product Safety Commission (CPSC) Regulation 16 CFR 1500.14.

This review considered all the available data including the relevant data from the U.S. National Toxicology Program and the World Health Organization’s International Agency for Research on Cancer and other sources of information in the U.S. National Library of Medicine’s toxicology



databases. All this information was used to assess the need for chronic health hazard warning including carcinogenesis, reproductive/teratogenetic hazards, neurotoxicity and other potential chronic adverse health effects. Relevant information on bioavailability and exposure were also considered. In the absence of specific information, reasonable judgments were made to realistically assess the potential hazards of this material.

Exposure Assessment:

In evaluating acute and chronic toxic effects of each component and of the total formulation of **“Hiwork Enterprise Limited, Easter Fun Dough 4-1 oz (Colors: Blue, Green, Yellow, Purple)”** according to the information supplied, physical and chemical form, customary or reasonably foreseeable handling and use, including possible accident or misuse, and any adverse health effects of decomposition or combustion products were taken into account. Assessment of exposure was done using the applicable sections of U.S. Federal Hazardous Substance Act (FHSA) regulations, guideline on 16 CFR 1500.135. The following exposure route(s) were considered: Inhalation, Oral ingestion and Dermal exposure.

Toxicity Assessment:

Generally accepted, well established scientific, epidemiologic and toxicological knowledge of the bioavailability, pharmacokinetics, toxic effects (acute and chronic) of each component and of the total formulation obtained as necessary through on-line access to the National Library of Medicine Toxicology Data networks, including the Hazardous Substances Data Bank, the National Institute for Occupational Safety and Health Registry of Toxic Effects of Chemical Substances, the National Cancer Institute sponsored Chemical Carcinogenesis Research Information System, the U.S. Environmental Agency sponsored Integrated Risk Information System and Genetic Toxicity file, the Oak Ridge National Laboratory Environmental Mutagen Information Database and the U.S. EPA and NIEHS sponsored Developmental and Reproductive Toxicology/Environmental Teratology Information file were taken into account.



TOXICOLOGY DEPARTMENT
64321-060075 A (LHAMA)

Opinions of various regulatory agencies and scientific bodies on the potential for chronic adverse health effects of the various components of the formulation obtained from the publications of these agencies and the data sources listed above were used for evaluation. To assess product's toxicity, well established safety factors of 10 – 100X for acute effects, 100 – 1000X for chronic health effects, 10^{-6} risk at the 95 % upper bound of a multistage model for reproductive toxicants, or limits were used in determining whether or not a product would require acute or chronic health hazard labeling.

Summary:

After reviews of the supplied information and risk assessment based on hazards, exposure potential, acceptable daily intake and appropriate safety factors, I found **“Hiwork Enterprise Limited, Easter Fun Dough 4-1 oz (Colors: Blue, Green, Yellow, Purple)”** is not considered a Hazardous Substance as defined in 16 CFR 1500.3(b)(4)(A), not highly toxic, corrosive, an eye or skin irritant, a strong sensitizer, excessively corrosive or irritant or an excessively strong sensitizer as determined in accordance with the tests prescribed by Schedule II, will not pose acute or chronic adverse health effects in humans, will not constitute and may not constitute a danger to human life or health when used as intended. I have found no toxic component or contaminant level or effect of the products themselves that would require acute or chronic hazard labeling to conform with ASTM D 4236, the Labeling for Hazardous Art Materials Act, LHAMA regulations (16 CFR 1500 14(B)(8)), or the Federal Hazardous Substance Act.

Conclusion:

This product, **“Hiwork Enterprise Limited, Easter Fun Dough 4-1 oz (Colors: Blue, Green, Yellow, Purple)”** complies with applicable sections of U.S. Federal Hazardous Substance Act (FHSA) Regulations (16 CFR 1500), ASTM Designation D 4236-94 Standard Practice for Labeling Art Materials for Chronic Health Hazards, and the Consumer Safety Commission Labeling Requirement for Arts Materials Presenting Chronic Hazards (16 CFR 1500) LHAMA.



TOXICOLOGY DEPARTMENT
64321-060075 A (LHAMA)

Containers of materials larger than one ounce must have full precautionary labeling as determined by manufacturer. Where containers of materials which require warning labels are packed in the point of sale package which obscures the warning statement, the point of sale package must have the signal word and the following wording: "Read cautions on individual containers carefully."

Date: *June 14, 2021.*

Jongsei Park, Ph.D.

Fellow, Academy of Toxicological Sciences

UK Register of Toxicologists

European Registered Toxicologist (ERT)

Diplomate, American Board of Forensic Toxicology

CLD, American Board of Bioanalysis



TOXICOLOGY DEPARTMENT
64321-060075 B (US TRA)

USA Toxicological Risk Assessment Report

TEST:

Evaluation of **“Hiwork Enterprise Limited, Easter Fun Dough 4-1 oz (Colors: Blue, Green, Yellow, Purple)”** for requirements of applicable sections of U.S. Federal Hazardous Substance Act (FHSA) Regulations (16 CFR 1500), and requirements for Toxicology Risk Assessments, 64321-060075 B.

Background:

Quantitative list of the ingredients in **“Hiwork Enterprise Limited, Easter Fun Dough 4-1 oz (Colors: Blue, Green, Yellow, Purple)”** was submitted to the reviewer. Specific physical and chemical form of the product, bioavailability, concentration, and the amount of each potentially chronic toxic component found in the formulation is determined from examination of the formulation, labeling, packaging and instructions for use supplied by the manufacturer and from examination of the product.

The review of the formulation of the submitted **“Hiwork Enterprise Limited, Easter Fun Dough 4-1 oz (Colors: Blue, Green, Yellow, Purple)”** sample was conducted by a board- certified toxicologist, Jongsei Park, Ph.D. (Fellow, Academy of Toxicological Sciences, Diplomate, American Board of Forensic Toxicology, CLD, American Board of Bio-Analysis) according to the criteria defined in the U.S. Consumer Product Safety Commission (CPSC) Regulation.

In making this evaluation, Dr. Jongsei Park followed the Consumer Product Safety Commission, Guidelines for Determining Chronic Toxicity of Products Subject to the Federal Hazardous Substance Act. This review considered all the available data including the relevant data from the U.S. National Toxicology Program and the World Health Organization’s International Agency for Research on Cancer and other sources of information in the U.S. National Library of Medicine’s toxicology



databases. All this information was used to assess the need for chronic health hazard warning including carcinogenesis, reproductive/teratogenetic hazards, neurotoxicity and other potential chronic adverse health effects.

Relevant information on bioavailability and exposure were also considered. In the absence of specific information, reasonable judgments were made to realistically assess the potential hazards of this material.

Exposure Assessment:

In evaluating acute and chronic toxic effects of each component and of the total formulation of **“Hiwork Enterprise Limited, Easter Fun Dough 4-1 oz (Colors: Blue, Green, Yellow, Purple)”** according to the information supplied, physical and chemical form, customary or reasonably foreseeable handling and use, including possible accident or misuse, and any adverse health effects of decomposition or combustion products were taken into account. Assessment of exposure was done using the applicable sections of U.S. Federal Hazardous Substance Act (FHSA) regulations, guideline on 16 CFR 1500. The following exposure route(s) were considered: Inhalation, Oral ingestion and Dermal exposure.

Toxicity Assessment:

Generally accepted, well established scientific, epidemiologic and toxicological knowledge of the bioavailability, pharmacokinetics, toxic effects (acute and chronic) of each component and of the total formulation obtained as necessary through on-line access to the National Library of Medicine Toxicology data networks, including the Hazardous Substances Data Bank, the National Institute for Occupational Safety and Health Registry of Toxic Effects of Chemical Substances, the National Cancer Institute sponsored Chemical Carcinogenesis Research Information System, the U.S. Environmental Agency sponsored Integrated Risk Information System and Genetic toxicity file, the Oak Ridge



TOXICOLOGY DEPARTMENT
64321-060075 B (US TRA)

National Laboratory Environmental Mutagen Information database and the U.S. EPA and NIEHS sponsored Developmental and Reproductive Toxicology/Environmental Teratology Information file were taken into account.

Opinions of various regulatory agencies and scientific bodies on the potential for chronic adverse health effects of the various components of the formulation obtained from the publications of these agencies and the data sources listed above were used for evaluation. To assess product's toxicity, well established safety factors of 10 – 100X for acute effects, 100 – 1000X for chronic health effects, 10^{-6} risk at the 95 % upper bound of a multistage model for reproductive toxicants, or limits were used in determining whether or not a product would require acute or chronic health hazard labeling.

Summary:

After reviews of the supplied information and risk assessment based on hazards, exposure potential, acceptable daily intake and appropriate safety factors, I found **“Hiwork Enterprise Limited, Easter Fun Dough 4-1 oz (Colors: Blue, Green, Yellow, Purple)”** are not considered a Hazardous Substance as defined in 16 CFR 1500.3(b)(4)(A), not highly toxic, corrosive, an eye or skin irritant, a strong sensitizer, excessively corrosive or irritant or an excessively strong sensitizer as determined in accordance with the tests prescribed by Schedule II, will not pose acute or chronic adverse health effects in humans, will not constitute and may not constitute a danger to human life or health when used as intended.

Conclusion:

This product, **“Hiwork Enterprise Limited, Easter Fun Dough 4-1 oz (Colors: Blue, Green, Yellow, Purple)”** complies with applicable sections of U.S. Federal Hazardous Substance Act (FHSA) Regulations (16 CFR 1500) and requirements for Toxicology Risk Assessments.



TOXICOLOGY DEPARTMENT
64321-060075 B (US TRA)

Containers of materials larger than one ounce must have full precautionary labeling as determined by manufacturer. Where containers of materials which require warning labels are packed in the point of sale package which obscures the warning statement, the point of sale package must have the signal word and the following wording: "Read cautions on individual containers carefully."

Date: *June 14, 2021.*

Jongsei Park, Ph.D.

Fellow, Academy of Toxicological Sciences

UK Register of Toxicologists

European Registered Toxicologist (ERT)

Diplomate, American Board of Forensic Toxicology

CLD, American Board of Bioanalysis



Canada Toxicological Risk Assessment Report

TEST:

Evaluation of **“Hiwork Enterprise Limited, Easter Fun Dough 4-1 oz (Colors: Blue, Green, Yellow, Purple)”** for requirements of applicable sections of Hazardous Product Act (HPA) RSC 1985, Canada Consumer Product Safety Act (S.C.2010, c.21), Consumer Chemical and Containers Regulation, CCCR (2001), SOR/2001-269, Sections 15-32, Parts 1, 2, 3, 4, 5, Toys Regulation SOR/2011-17 and the Canadian Environmental Protection Act 1999 (CEPA 1999) and requirements for Toxicology Risk Assessment, 64321-060075 C.

Background:

Quantitative list of the ingredients in **“Hiwork Enterprise Limited, Easter Fun Dough 4-1 oz (Colors: Blue, Green, Yellow, Purple)”** was submitted to the reviewer. Specific physical and chemical form of the product, bioavailability, concentration, and the amount of each potentially chronic toxic component found in the formulation is determined from examination of the formulation, labeling, packaging and instructions for use supplied by the manufacturer and from examination of the product.

The review of the formulation of the submitted **“Hiwork Enterprise Limited, Easter Fun Dough 4-1 oz (Colors: Blue, Green, Yellow, Purple)”** sample was conducted by a board certified toxicologist, Jongsei Park, Ph.D. (Fellow, Academy of Toxicological Sciences, Diplomate, American Board of Forensic Toxicology, CLD, American Board of Bio-Analysis) according to the criteria defined in Hazardous Product Act (HPA) RSC 1985, Canada Consumer Product Safety Act (S.C.2010, c.21), Consumer Chemical and Containers Regulation, CCCR (2001), SOR/2001-269, Sections 15-32, Parts 1, 2, 3, 4, 5, Toys Regulation SOR/2011-17 and the Canadian Environmental Protection Act. 1999 (CEPA 1999).

This review considered all the available data including the relevant data from the U.S. National Toxicology Program and the World Health Organization’s International Agency for Research on Cancer and other sources of information in the U.S. National Library of Medicine’s toxicology



databases. All this information was used to assess the need for chronic health hazard warning including carcinogenesis, reproductive/teratogenetic hazards, neurotoxicity and other potential chronic adverse health effects. Relevant information on bioavailability and exposure were also considered. In the absence of specific information, reasonable judgments were made to realistically assess the potential hazards of this material.

Exposure Assessment:

In evaluating acute and chronic toxic effects of each component and of the total formulation of **"Hiwork Enterprise Limited, Easter Fun Dough 4-1 oz (Colors: Blue, Green, Yellow, Purple)"** according to the information supplied, physical and chemical form, customary or reasonably foreseeable handling and use, including possible accident or misuse, and any adverse health effects of decomposition or combustion products were taken into account. Assessment of exposure was done using the applicable sections of Hazardous Product Act (HPA) RSC 1985, Canada Consumer Product Safety Act (S.C.2010, c.21), Consumer Chemical and Containers Regulation, CCCR (2001), SOR/2001-269, Sections 15-32, Parts 1, 2, 3, 4, 5, Toys Regulation SOR/2011-17 and the Canadian Environmental Protection Act 1999 (CEPA 1999). The following exposure route(s) were considered: Inhalation, Oral ingestion and Dermal exposure.

Toxicity Assessment:

Generally accepted, well established scientific, epidemiologic and toxicological knowledge of the bioavailability, pharmacokinetics, toxic effects (acute and chronic) of each component and of the total formulation obtained as necessary through on-line access to the National Library of Medicine Toxicology data networks, including the Hazardous Substances Data Bank, the National Institute for Occupational Safety and Health Registry of Toxic Effects of Chemical Substances, the National Cancer Institute sponsored Chemical Carcinogenesis Research Information System, the U.S. Environmental Agency sponsored Integrated Risk Information System and Genetic Toxicity file, the Oak Ridge



National Laboratory Environmental Mutagen Information database and the U.S. EPA and NIEHS sponsored Developmental and Reproductive Toxicology/Environmental Teratology Information file were taken into account.

Opinions of various regulatory agencies and scientific bodies on the potential for chronic adverse health effects of the various components of the formulation obtained from the publications of these agencies and the data sources listed above were used for evaluation. To assess product's toxicity, well established safety factors of 10 – 100X for acute effects, 100 – 1000X for chronic health effects, 10^{-6} risk at the 95 % upper bound of a multistage model for reproductive toxicants, or limits were used in determining whether or not a product would require acute or chronic health hazard labeling.

Summary:

After reviews of the supplied information and risk assessment based on hazards, exposure potential, acceptable daily intake and appropriate safety factors, it is this reviewer's professional opinion that this product, "**Hiwork Enterprise Limited, Easter Fun Dough 4-1 oz (Colors: Blue, Green, Yellow, Purple)**" is not considered a Hazardous Substance as defined in Hazardous Product Act (HPA) RSC 1985, Canada Consumer Product Safety Act (S.C.2010, c.21), Consumer Chemical and Containers Regulation, CCCR(2001), SOR/2001-269, Sections 15-32, Parts 1, 2, 3, 4, 5, Toys Regulation SOR/2011-17 and the Canadian Environmental Protection Act. 1999 (CEPA 1999), not highly toxic, corrosive, an eye or skin irritant, a strong sensitizer, excessively corrosive or irritant or an excessively strong sensitizer as determined in accordance with the test prescribed by Schedule II, will not pose acute or chronic health effects in humans, will not constitute and may not constitute a danger in Canada to human life or health when used as intended. It is not a quick skin bonding adhesive.

Conclusion:

This product, "**Hiwork Enterprise Limited, Easter Fun Dough 4-1 oz (Colors: Blue, Green, Yellow, Purple)**" complies with the applicable sections of Hazardous Product Act (HPA) RSC 1985, Canada Consumer Product Safety Act (S.C.2010, c.21), Consumer Chemical and Containers Regulation, CCCR(2001), SOR/2001-269, Sections 15-32, Parts 1, 2, 3, 4, 5, Toys Regulation SOR/2011-17 and the Canadian Environmental Protection Act. 1999 (CEPA 1999).



TOXICOLOGY DEPARTMENT
64321-060075 C (CN TRA)

Containers of materials larger than one ounce must have full precautionary labeling as determined by manufacturer. Where containers of materials which require warning labels are packed in the point of sale package which obscures the warning statement, the point of sale package must have the signal word and the following wording: "Read cautions on individual containers carefully."

Date: *June 14. 2021.*

Jongsei Park, Ph.D.

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