



Triple/S Dynamics, Inc.

1031 South Haskell Avenue

Dallas, TX 75223

800-527-2116

www.sssdynamics.com

TSD TEST REPORT - [REDACTED]

Test Number: 17-027

Test Date(s): [REDACTED]

Product: Chocolate Chips and Chocolate Candy Pieces

Customer: [REDACTED]

Equipment: Dwg. # [REDACTED], 18"W x 6"D x 8'L Slipstick Horizontal Motion Conveyor with 6/2.0 VS belt drive and 304-2B stainless steel pan. Conveyor stroke was measured to be 1-1/16" at 60 Hz.

Purpose: Evaluate Slipstick for conveying and accumulating Frap Chips and Buttercrunch Toffee with chocolate and almonds

Procedure: Measure product bulk density. Hand load product in pan. Start conveyor and check travel rate. Discharge samples off pan end into receiving container. Video each test run.

TEST # 1

Product: 2084 Frap Chips

Material Size: 3/8" x 3/16" flat pieces

Bulk Density: 45.9 lb/ft³

Bed Depth: 1.5" to 2"

Travel Rate: Run 1 = 24.9 ft/min, Run 2 = 22.1 ft/min

Observation: Product conveyed well in single direction and reversing operation

Video: 20171019_100851, 20171020_104532, 20171020_104601, 20171020_111724, 20171020_112106, 20171020_112220, frap chip reversing





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TSD TEST REPORT - [REDACTED]



TEST # 2

Product:	Chocolate thins with dried fruit
Material Size:	Random sizes, 1/4" thick
Bulk Density:	36.8 lb/ft ³
Bed Depth:	2" to 2.5"
Travel Rate:	Run 1 = 22.9 ft/min, Run 2 = 21.5 ft/min
Observation:	Product conveyed well in single direction operation
Video:	20171019_122106, 20171020_113421





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TSD TEST REPORT - [REDACTED]

TEST # 3

Product: 1049 Unwrapped Buttercrunch toffee with chocolate and almonds
Material Size: 1-5/8" long pieces, coated with crushed nuts
Bulk Density: 36.8 lb/ft³
Bed Depth: 1.5" to 2"
Travel Rate: Run 1 = 21.8 ft/min, Run 2 = 20.7 ft/min
Observation: Product conveyed well in single direction, a lot of loose nuts
Video: 20171019_114133, 20171020_130144, 20171020_130514, 20171020_130525





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TSD TEST REPORT - [REDACTED]



TEST # 4

Product: 1050 Unwrapped Buttercrunch toffee with dark chocolate and almonds
Material Size: 1-5/8" long pieces
Bulk Density: 43.9 lb/ft³
Bed Depth: 1.5" to 2"
Travel Rate: Run 1 = 18.5 ft/min, Run 2 = 17.6 ft/min
Observation: Some product sticks to pan at cleanout, flat surface side, dimpled pan finish helped to prevent sticking, oily finish on pan
Video: 20171019_112328, 20171019_112848, 20171019_133818, 20171019_134235, 20171019_134508, 20171020_095232, 20171020_095332, 20171020_095549, 20171020_114803, 20171020_115240,





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TSD TEST REPORT - [REDACTED]



TEST # 5

Product:	1051 Wrapped Buttercrunch toffee with chocolate and almonds
Material Size:	1-5/8" long pieces
Bulk Density:	43.9 lb/ft ³
Bed Depth:	1.5" to 2"
Travel Rate:	Run 1 = 20.5 ft/min, Run 2 = 22.5 ft/min
Observation:	Product conveyed well
Video:	20171019_120642, 20171020_131855

Product Manager: [REDACTED]

Administered By: [REDACTED]

Report Date: [REDACTED]