



Life Science testing standards that Weiss Technik environmental test chambers can help you meet.

Contact us for additional information.

Reference Test Standard or Publication	General Test Category	Test Description	Temperature & Humidity	Weiss Technik Chamber Solution (Click Link Below)
ASTM D4322 / ISO 2233	Package testing of pharma/medical product	Condition 1 (cryogenic, special atmosphere)	-55 C., uncontrolled RH	Lab Event - T/500 Lab Event - L / ENDH
ASTM D4332 / ISO 2233	Package testing of pharma/medical product	Condition 2 (preferred atmosphere)	-35 C., uncontrolled RH	Lab Event - T/500 Lab Event - L / ENDH
ISTA 2A, 3A	Package testing of pharma/medical product	Extreme cold	- 29 C., uncontrolled RH	Lab Event - T/500 Lab Event - L / ENDH
ASTM D4332 / ISO 2233 / ISTA 2A,3A	Package testing of pharma/medical product	Condition 3 (frozen food, special atmosphere), Severe cold	-18 C., uncontrolled RH	Lab Event - T/500 Lab Event - L / ENDH
ASTM D4332 / ISO 2233 / ISTA 2A,3A	Package testing of pharma/medical product	Condition 4 (refrigerated storage, special atmosphere)	5 C., uncontrolled RH	Pharma / Lab Event - T/500 Lab Event - L / ENDH
ASTM D4332 / ISO 2233	Package testing of pharma/medical product	Condition 5 (preferred atmosphere)	20 C., 65% RH	Pharma / Pharma - L Lab Event - L / ENDH
ASTM D4332 / ISO 2233	Package testing of pharma/medical product	Condition 6 (temperature high humidity, special atmosphere)	20 C., 90% RH	Pharma / Pharma - L Lab Event - L / ENDH
ISO 2233 / ISTA 2A,3A	Package testing of pharma/medical product	Condition 7 (controlled conditions)	23 C., 50% RH	Pharma / Pharma - L Lab Event - L / ENDH
ASTM D4332 / ISO 2233	Package testing of pharma/medical product	Condition 8 (preferred atmosphere)	30 C., 85% RH	Pharma / Pharma - L Lab Event - L / ENDH
ASTM D4332 / ISO 2233	Package testing of pharma/medical product	Condition 9 (preferred atmosphere)	30 C., 90% RH	Pharma / Pharma - L Lab Event - L / ENDH
ISTA 2A, 3A	Package testing of pharma/medical product	Hot/humid then heat/moderate RH	38 C., 85% RH	Pharma / Pharma - L Lab Event - L / ENDH
ISTA 2A, 3A	Package testing of pharma/medical product	Hot/humid then heat/moderate RH	60 C., 30% RH	Pharma / Lab Event - L / ENDH
ASTM D4332 / ISO 2233	Package testing of pharma/medical product	Condition 10 (preferred atmosphere)	40 C., uncontrolled RH	Pharma / Pharma - L Lab Event - T/500 Lab Event - L / ENDH
ASTM D4332 / ISO 2233	Package testing of pharma/medical product	Condition 11 (tropical, special atmosphere)	40 C., 90% RH	Pharma / Pharma - L Lab Event - L / ENDH

Stand the test of time.

www.weiss-na.com

Weiss Technik North America, Inc. • 3881 N. Greenbrooke Dr. SE • Grand Rapids, MI 49512 USA • (616) 554-5020

ISTA 2A, 3A, 4AB	Package testing of pharma/medical product	Desert and Hot/dry	50 C., uncontrolled RH	Pharma / Pharma - L Lab Event - T/500 Lab Event - L / ENDH
ISTA 2A, 3A, 4AB	Package testing of pharma/medical product	Desert and Hot/dry	50 C., 25% RH	Pharma / Pharma - L Lab Event - T/500 Lab Event - L / ENDH
ASTM D4332 / ISO 2233	Package testing of pharma/medical product	Condition 12 (preferred atmosphere)	55 C., 30% RH	Pharma / Lab Event - L / ENDH
ASTM D4332 / ISTA 2A, 3A	Package testing of pharma/medical product	Desert (special atmosphere) / Extreme heat, Dry	60 C., 15% RH	Pharma / Lab Event - L / ENDH
USP 670	Packaging development	Moisture adsorption at dry conditions	25 C., 40% RH	Pharma / Pharma - L Lab Event - L / ENDH
USP 670	Packaging development	Moisture adsorption at humid conditions	25 C., 80% RH	Pharma / Pharma - L Lab Event - L / ENDH
TAPPI T 402	Stability testing of pulp and paper product	Conditioning and Testing atmospheres	23 C., 50% RH	Pharma / Pharma - L Lab Event - L / ENDH
ASAP test protocol	Accelerated pharma stability testing	Accelerated testing conditions, point 1	50 C., 75% RH	Pharma / Pharma - L Lab Event - L / ENDH
ASAP test protocol	Accelerated pharma stability testing	Accelerated testing conditions, point 2	60 C., 40% RH	Pharma / Lab Event - L / ENDH
ASAP test protocol	Accelerated pharma stability testing	Accelerated testing conditions, point 3	70 C., 5% RH	Pharma / Lab Event - L / ENDH
ASAP test protocol	Accelerated pharma stability testing	Accelerated testing conditions, point 4	70 C., 75% RH	Pharma / Lab Event - L / ENDH
ASAP test protocol	Accelerated pharma stability testing	Accelerated testing conditions, point 5	80 C., 40% RH	Lab Event - L / ENDH
ICH Q1A	Standard pharma stability testing	Stability testing, long term storage	25 C., 60% RH	Pharma / Pharma - L Lab Event - L / ENDH
ICH Q1A	Standard pharma stability testing	Stability testing, long term storage	30 C., 65% RH	Pharma / Pharma - L Lab Event - L / ENDH
ICH Q1A	Standard pharma stability testing	Stability testing, intermediate term storage	30 C., 65% RH	Pharma / Pharma - L Lab Event - L / ENDH
ICH Q1A	Standard pharma stability testing	Stability testing, intermediate term storage	30 C., 75% RH	Pharma / Pharma - L Lab Event - L / ENDH
ICH Q1A	Standard pharma stability testing	Stability testing, accelerated storage	40 C., 75% RH	Pharma / Pharma - L Lab Event - L / ENDH
ICH Q1A	Standard pharma stability testing	Stability testing, long term refrigerator storage	5 C., uncontrolled RH	Pharma / Pharma - L Lab Event - T/500 Lab Event - L / ENDH
ICH Q1A	Standard pharma stability testing	Stability testing, accelerated refrigerator storage	25 C., 60% RH	Pharma / Pharma - L Lab Event - L / ENDH
ICH Q1A	Standard pharma stability testing	Stability testing, long term freezer storage	-20 C., uncontrolled RH	Lab Event - T/500 Lab Event - L / ENDH

Stand the test of time.

www.weiss-na.com

Weiss Technik North America, Inc. • 3881 N. Greenbrooke Dr. SE • Grand Rapids, MI 49512 USA • (616) 554-5020

ICH Q1A	Standard pharma stability testing	Stability testing, long term semi-permeable container storage	25 C., 40% RH	Pharma / Pharma - L Lab Event - L / ENDH
ICH Q1A	Standard pharma stability testing	Stability testing, long term semi-permeable container storage	30 C., 35% RH	Pharma / Pharma - L Lab Event - L / ENDH
ICH Q1A	Standard pharma stability testing	Stability testing, intermediate semi-permeable container storage	30 C., 65% RH	Pharma / Pharma - L Lab Event - L / ENDH
ICH Q1A	Standard pharma stability testing	Stability testing, accelerated semi-permeable container storage	40 C., < 25% RH	Pharma / Pharma - L Lab Event - L / ENDH
ASTM D4169	Performance testing of shipping containers and systems	Environmental hazard testing per Assurance Level I	-54 to 71 C., uncontrolled RH	Lab Event - T/500 Lab Event - L / ENDH
ASTM D4169	Performance testing of shipping containers and systems	Environmental hazard testing per Assurance Level II	0 to 71 C., uncontrolled RH	Lab Event - T/500 Lab Event - L / ENDH
ASTM F1980	Accelerated aging of sterile barrier system for medical devices	Accelerated aging test	25 to 60 C., uncontrolled RH	Pharma / Pharma - L Lab Event - T/500 Lab Event - L / ENDH
ASTM F1980	Accelerated aging of sterile barrier system for medical devices	Hot and dry conditions (7 week test)	50 C, 11% RH	Pharma / Lab Event - L / ENDH
ASTM F1980	Accelerated aging of sterile barrier system for medical devices	Hot and dry conditions (5 week test)	55 C, 9% RH	Pharma / Lab Event - L / ENDH
ASTM F1980	Accelerated aging of sterile barrier system for medical devices	Hot and dry conditions (4 week test)	60 C, 7% RH	Pharma / Lab Event - L / ENDH
ISO 11607	Packaging for terminally sterilized medical devices	Accelerated aging test	50 to 60 C., uncontrolled RH	Pharma / Pharma - L Lab Event - T/500 Lab Event - L / ENDH
International Federation of Societies of Cosmetic Chemists, IFSCC Monograph #2: The Fundamentals of Stability Testing	Standard cosmetic stability testing	Control temperature	4 C., uncontrolled RH	Pharma / Lab Event - T/500 Lab Event - L / ENDH
International Federation of Societies of Cosmetic Chemists, IFSCC Monograph #2: The Fundamentals of Stability Testing	Standard cosmetic stability testing	Room temperature	20 to 25 C., uncontrolled RH	Pharma / Pharma - L Lab Event - T/500 Lab Event - L / ENDH
International Federation of Societies of Cosmetic Chemists, IFSCC Monograph #2: The Fundamentals of Stability Testing	Standard cosmetic stability testing	Accelerated testing	37 C., uncontrolled RH	Pharma / Pharma - L Lab Event - T/500 Lab Event - L / ENDH
International Federation of Societies of Cosmetic Chemists, IFSCC Monograph #2: The Fundamentals of Stability Testing	Standard cosmetic stability testing	Accelerated testing	37 C., 80% RH	Pharma / Pharma - L Lab Event - L / ENDH

Stand the test of time.

www.weiss-na.com

Weiss Technik North America, Inc. • 3881 N. Greenbrooke Dr. SE • Grand Rapids, MI 49512 USA • (616) 554-5020

International Federation of Societies of Cosmetic Chemists, IFSCC Monograph #2: The Fundamentals of Stability Testing	Standard cosmetic stability testing	Accelerated testing	45 C., uncontrolled RH	Pharma / Pharma - L Lab Event - T/500 Lab Event - L / ENDH
Cosmetic Regulation in a Competitive Environment, Chapter 11: Stability Testing of Cosmetic Products	Standard cosmetic stability testing	Room temperature	24 to 25 C., uncontrolled RH	Pharma / Pharma - L Lab Event - T/500 Lab Event - L / ENDH
Cosmetic Regulation in a Competitive Environment, Chapter 11: Stability Testing of Cosmetic Products	Standard cosmetic stability testing	Accelerated testing	37 - 50 C., uncontrolled RH	Pharma / Pharma - L Lab Event - T/500 Lab Event - L / ENDH
Cosmetic Regulation in a Competitive Environment, Chapter 11: Stability Testing of Cosmetic Products	Standard cosmetic stability testing	Freeze-thaw cycling	0 C. or - 5 C., uncontrolled RH	Lab Event - T/500 Lab Event - L / ENDH
Cosmetic Regulation in a Competitive Environment, Chapter 11: Stability Testing of Cosmetic Products	Standard cosmetic stability testing	Elevated humidity	37 - 50 C., 80% RH	Pharma / Pharma - L Lab Event - L / ENDH
ICH Q1B	Standard photostability testing	Refrigerated conditions photostability testing, affects of light on product	5 C., uncontrolled RH	Pharma / Pharma - L Lab Event - T/500
ICH Q1B	Standard photostability testing	Stability conditions photostability testing, affects of light on product	25 to 40 C., 40 - 75% RH	Pharma / Pharma - L

Stand the test of time.

www.weiss-na.com

Weiss Technik North America, Inc. • 3881 N. Greenbrooke Dr. SE • Grand Rapids, MI 49512 USA • (616) 554-5020