MULTIVIEW TECHNOLOGY

CINNAMON TOAST CRUNCH GRADING STANDARDS — V1.0

October 2025

1. PURPOSE

These standards define the consistent methodology and weighting criteria used by Multiview Technology for grading Cinnamon Toast Crunch specimens. They establish the physical ideal, measurable defect tolerances, and categorical subgrade system modeled on PSA-style evaluation but tailored to cereal morphology.

2. IDEAL SPECIMEN — "A■REF"

Property	Description	Target
Planarity (Flatness)	Surface lies within a plane; minimal bowing or sag.	Curvature ≤ 3%
Corners	Four distinct, sharp 90° tips; minimal rounding.	Radius ≤ 0.30 mm
Edges	Continuous edges, no compression, flare, or chipping.	Deflection ≤ 0.20 mm
Surface Integrity	Ridge pattern intact, minimal pock marks, no scarring.	≤ 2 pocks / cm²
Coating Distribution	Even cinnamon/sugar coverage with balanced matte sheen.	Luminance variance ≤ 8%
Aspect Ratio	Width : Height near 1 : 1 (square geometry).	Within 2% of 1.00

3. REALITY BANDS — FLATNESS / WARPING

Condition	Curvature %	Interpretation	Grade Cap
Ideal Flat	0–3%	Engineering goal	—
Nominal Camber	3–5%	Acceptable; no penalty	—
Bowed	5–8%	Minor production warp	≤ 9.0
Warped	8–12%	Noticeable curvature	≤ 8.0
Severe Warp	>12%	Structural deformation	≤ 7.5

4. SUBGRADE CATEGORIES & WEIGHTS

Category	Weight	What's Judged
Corners	0.22	Sharpness, chip presence, symmetry
Edges	0.18	Compression, cracks, uniformity
Surface Integrity	0.20	Ridge clarity, pock density

Coating Uniformity	0.15	Evenness, granule distribution
Geometry / Flatness	0.25	Bowing, warping, aspect ratio

5. AUTOMATIC PENALTY CAPS

Defect	Cap Applied
Curvature > 8%	≤ 8.0
Curvature > 12%	≤ 7.5
Missing corner > 1 mm	≤ 6.5
Major pocking / ridge collapse	≤ 7.5
Burn / underbake > 10% area	≤ 7.5

6. PSA■STYLE GRADE MAP

Grade	Label	Interpretation
10	Gem Mint	Perfect; zero measurable flaw
9.5	Mint +	Barely perceptible defect
9.0	Mint	Slight curvature or coating variance
8.5	NM +	Visible bow or minor surface irregularity
8.0	NM	Distinct warp; small edge flaw
7.5	EX +	Pronounced bowing or minor chip
7.0	EX	One damaged corner or clear surface defect
6.5	VG +	Multiple structural issues
≤6.0	G–Poor	Heavy deformation, breakage, burn

7. CALCULATION PROCESS

1. Assign subgrades (0–10) per category.
2. Compute weighted mean: Σ(weight × subgrade).
3. Apply any curvature/defect caps.
4. Round down to nearest PSA step (0.5 increments).
5. Record deductions & caps for transparency.

8. GRADING PHILOSOPHY

Multiview Technology applies strict■mode grading by default. If evidence is ambiguous, the ruling defaults downward. Consistency and documentation outweigh optimism.

“Perfection is the absence of uncertainty.”

9. AI INTEGRATION

Visual analysis is performed by the Multiview AI grader using this v1 rubric. Quantitative metrics supplement but never override qualitative judgment. A deterministic post■processor re■checks numeric weights and caps before certifying a final grade.

10. REVISION HISTORY

Version	Date	Summary
v1.0	Oct 2025	Initial release of Multiview Grading Logic defining 5■category weighted model and curva

Certified & Catalogued by: Shawn Wiederhoeft • Multiview Technology