LunchEAZE

A ReliantEMS Corp. brand · Engineered in California · 47366 Fremont Blvd., Fremont, CA 94538 · www.luncheaze.com

August 24, 2026

Fire and product safety documentation | LunchEAZE Junior cordless heated lunchbox

This letter is provided at the request of a district family and summarizes the independent, third-party safety certifications of the LunchEAZE Junior, a battery-powered heated lunchbox that reheats pre-cooked food designed for safe use in household, office, or school environments. Every certification cited below is a public record, with links to the certifying laboratory's record in the table below.

1. Listed and labeled by an OSHA-recognized laboratory

U.S. fire and electrical codes require that appliances be listed and labeled by a **Nationally Recognized Testing Laboratory** (NRTL).

An NRTL certification is what marks your laptop or microwave as "safe" in that they meet the required standards for their category. LunchEAZE Junior has been certified by an NRTL to the same level of standards.

Specifically, the product is certified to UL 1026 (electric food-serving appliances), and its battery to UL 2595 (general requirements for battery powered appliances), by TÜV Rheinland of North America — an NRTL on OSHA's official list — and each unit bears the cTUVus listing mark, which carries the same legal standing as any NRTL listing mark.

LunchEAZE is an American-engineered device, listed and held to the same evidentiary standard as all other appliances permitted in a school building.

Certification / test	Certificate no.	Public verification
UL 1026 — Electric household food-serving appliances (LunchEAZE Junior)	72605825	certipedia.com/certificates/72605825
UL 2595 — Battery-powered appliance safety (Junior battery)	CU 72504554	certipedia.com/certificates/72504554
UN 38.3 — Lithium battery transport testing (drop, vibration, altitude, thermal extremes)	Included in battery certification	Signed battery certificate (PDF)
CPSIA — Federal child-safety testing at a CPSC-accepted laboratory	Children's Product Certificate	CPC + full test report (PDF)
FDA food-contact material compliance	Independent lab report 168583650b-001	Test report (PDF)

Certifier: TÜV Rheinland of North America. Certipedia is the certifier's own public database — the listings above are hosted by the laboratory, not by LunchEAZE.

2. Engineered safeguards

- **Control lock**: settings cannot be changed accidentally without unlocking the control panel.
- **Container-removal cutoff**: heating stops instantly if the food container is lifted out.
- **Automatic shutoff**: heating ends automatically when the cycle completes.
- **Cool-touch exterior**: the outside only ever gets warm; food inside heats to at most 200 °F.
- **Fire-retardant construction**: every plastic enclosure component (top, bottom, and lid) is molded from UL 94 V-0 rated material. This is the most stringent standard flammability classification for these enclosures, the materials are self extinguishing with no flaming drips. The food container itself is Type 304 stainless steel. Each V-0 material is verified part-by-part in the appliance's UL 1026 certification records.
- **Charged at home**: the unit charges at home overnight from its own 12 W charger (9 V · 1.3 A, about half the draw of a phone fast-charger) and runs the school day on its own battery. It introduces no cords, no outlet use, and no charging on campus. That being said, the charging adapter, battery, and product itself are all independently certified for safety while charging.

3. The battery, in context

Junior's battery stores 37 watt-hours. This is more than a typical smartphone (~13–18 Wh) and less than a school-issued laptop or Chromebook (~45–60 Wh), both of which are routinely charged on campus in classroom carts (LunchEAZE will most often be charged at home). The battery is certified to the same class of safety standards those devices carry (UL 2595, UN 38.3), plus federal child-safety certification (CPSIA) that they do not.

LunchEAZE is not a new product – models designed for adult use on jobsites, vehicles, offices, and outdoors have been on sale since 2019. They are common sights on construction sites, homes, offices, and even airplanes, where users of all ages have been using LunchEAZE to eat hot meals anywhere.

4. Specifics of “zero risk”

No product certification permits a manufacturer to promise 100% zero risk, including phones, laptops, printers, microwaves, etc. Those devices and appliances meet NRTL standards for their product categories – LunchEAZE is certified by the same recognized laboratories in the same way. Thus we believe it is fair to state that “LunchEAZE, by being certified by an NRTL, meets the same level of standards as any other commonly used home, office, or school appliance.”

What an NRTL listing certifies is that the product has been independently tested, by an OSHA-recognized laboratory, to the national consensus safety standards written for precisely these hazards — fire, electrical, battery, and (for Junior) child safety — and that it passed, with ongoing factory surveillance by the certifier. This is the same standard of evidence fire and electrical codes recognize.

5. Technical summary for fire officials

For the fire service's review, the certifications above are not paperwork formalities; each corresponds to a defined battery of physical tests targeting the specific failure modes a fire official would ask about:

- **UL 1026 (appliance)** — fire, electric-shock and casualty hazards of electric food-serving appliances under both normal and abnormal operation, including surface-temperature limits, abnormal-use and fault-condition testing, dielectric strength, and stability. The certification's constructional records (TÜV Rheinland file CN25RVMJ 001) list every enclosure plastic as a UL-recognized material rated UL 94 V-0 (UL file nos. E248280, E88637, E140331); the internal circuit boards and battery connectors are likewise V-0 rated.

- **UL 2595 (battery system)** — general safety of the battery-powered system as a whole, including protection against overcharge, over-discharge and short circuit, temperature limiting, and behavior under single-fault conditions of the protection circuitry.
- **UN 38.3 (battery transport)** — the eight-test lithium-battery abuse sequence: altitude simulation, thermal cycling, vibration, mechanical shock, external short circuit, impact/crush, overcharge, and forced discharge.
- **Ongoing surveillance** — NRTL listing is not a one-time test: the certifier conducts ongoing factory surveillance for as long as the listing is maintained.

6. Direct support for the district and fire officials

We are glad to walk district administration, facilities staff, or fire officials through any of this documentation directly, please reach out if you have further questions. The full documentation set is also permanently available at www.luncheaze.com/safety-and-certifications/.

Sincerely,

Uzair Mohammad
Director of Product, LunchEAZE
Umohammad@Reliantemscorp.com
925.216.4083