

## STANDARD INFORMATION

**Standard:** UL 496 / CSA C22.2 No. 43

**Standard ID:** Lampholders [UL 496:2017 Ed.14+R:28Mar2022]

**Previous Standard ID:** Lampholders [CSA C22.2#43:2017 Ed.14+U1]

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date:** **March 28, 2024**

## IMPACT, OVERVIEW, AND ACTION REQUIRED

**Impact Statement:** Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

**Overview of Changes:** New Moist Ammonia Air Stress Cracking Test. Specific details of new/revised requirements are found in table below.

***Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.***



## STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
5	Info	<b>Tests</b>
5.2	Info	<b>Screw Lampholders</b>
5.2.19		<b><i>New section added;</i></b>
		<b>Moist Ammonia Air Stress Cracking Test</b>
5.2.19.1		After being subjected to the conditions described in 5.2.19.2 – 5.2.19.4, copper-alloy screwshells or device screw bases shall show no evidence of cracking, delamination or degradation.
5.2.19.2		Each test sample shall be subjected to the physical stresses normally imposed on or within a part as the result of assembly with other components. Such stresses shall be applied to the sample prior to and maintained during the test. Therefore, the screwshells or device screw bases under test shall be mated with corresponding nickel-plated or nickel alloy screw base plugs or screwshells of the same fit designation and tightened to the applicable torque specified in 5.2.4.2.2. All parts shall be clean and free from any oil or lubricant prior to insertion.
5.2.19.3		Three samples, prepared per 5.2.19.2, shall be tested in accordance with Apparatus (Section 6), Reagents and Materials (Section 7), Test Media (Section 8), Test Sample Preparation (9.3 – 9.4), and Test Procedure (10.1 – 10.4) of the Standard Test Method for Ammonia Vapor Test for Determining Susceptibility to Stress Corrosion Cracking in Copper Alloys, ASTM B858, with the test solution pH level High 10.5 ±0.1; exposure temperature of 25 ±1 °C; and with the examination in accordance with 5.2.19.4.
5.2.19.4		After the exposure period, the samples shall be examined for cracks or other signs of stress corrosion using a microscope having a magnification of 25X.