

**CERTIFICATE OF ANALYSIS****Cytotoxic And Handle with Care****For Research Only, Not for Human Use**

<b>DESCRIPTION:</b>	<b>Doxoves<sup>®</sup> - Liposomal Doxorubicin HCl</b>
<b>CATALOGUE #:</b>	<b>F30204B-D</b>
<b>EXPIRATION DATE:</b>	6 months from date received
<b>LIPID COMPOSITION:</b>	HSPC/CHOL/mPEG2000-DSPE (56.3:38.4:5.3 mol%)
<b>ACTIVE:</b>	Doxorubicin HCl (CAS25316-40-9)
<b>ANALYTICAL DATA:</b>	
<b>Lipid concentration:</b>	20.0 ± 0.2 mM (14.9 ± 0.2 mg/mL)
<b>Drug concentration:</b>	2.0 ± 0.1 mg/mL (UV)
<b>Drug encapsulation efficiency:</b>	> 97% (calculated from free drug and total drug concentrations)
<b>Hydration solution (battery):</b>	250 mM ammonium sulfate
<b>External buffer solution:</b>	10 wt% sucrose, 10 mM histidine pH 6.5
<b>Particle size (Zetasizer):</b>	z-average: 71.6 ± 0.5 nm; Polydispersity: 0.02 ± 0.02
<b>Form/Color:</b>	Translucent, red and free flow liposomal dispersion, no visible particles/aggregates with naked eye or under microscope
<b>Stability:</b>	Product is sterile filtered (0.2µm) and filled in autoclaved vials. Free from bacteria growth for 6 months for unopened vials stored at 2 – 8 °C.

**STORAGE, HANDLING AND CLEANING:**

- Store refrigerated (2-8 deg C). **Avoid freezing**. Warm to room temperature before use. Visually examine the uniformity of the product. Mix before opening the vial.
- **Method of cleaning:** alcohol/bleach/detergent mixture.

**HSPC:** fully hydrogenated phosphatidylcholine**CHOL:** cholesterol**mPEG2000-DSPE:** 1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[methoxy(polyethylene glycol)-2000]