

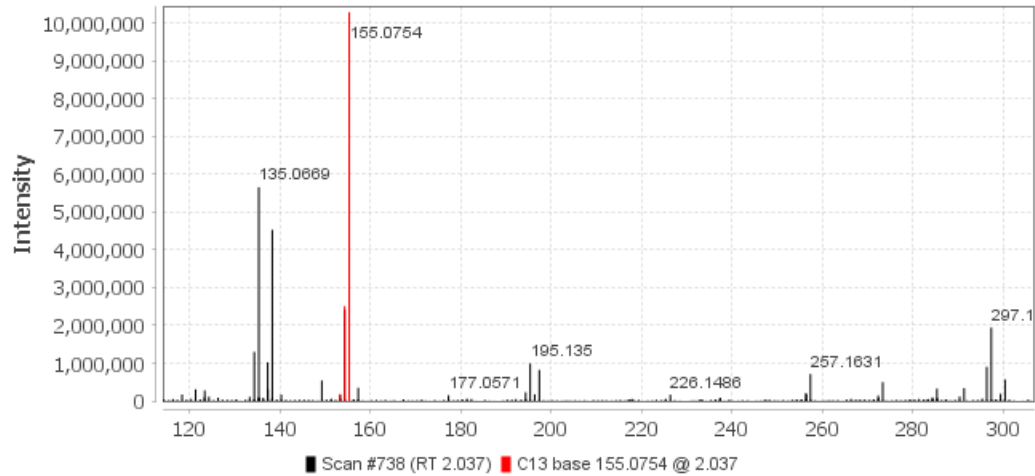
8/2022

# Certificate of Analysis



<b>Product Name:</b>	IROA Internal Standard
<b>Product Number:</b>	IROA-IS
<b>Product Brand:</b>	IROA TECHNOLOGIES
<b>Material:</b>	3 vials each of:  IROA Internal Standard (IROA-IS) - 95% <sup>13</sup> C-LABELED YEAST EXTRACT, 600 micrograms
<b>Recommended storage:</b>	Store vials in dark place at -80 degrees C
<b>Intended Use:</b>	Designed to be a standard for the identification and/or quantification of metabolites.
<b>LAST TESTED:</b>	8/23/2022
<b>EXPIRY DATE:</b>	8/23/2027
<b>TEST:</b>	RPLC-UHMS Data

## LOT 230-20 RESULTS



RPLC mobile phase A (MPA; weak): water containing 10 mM ammonium acetate and 0.1% formic acid, and mobile phase B (MPB; strong): methanol containing 10 mM ammonium acetate and 0.1% formic acid. Stationary phase: Phenomenex Kinetex C18 column (2.6  $\mu\text{m}$  particle size, 100  $\text{\AA}$ , 150 x 2.1 mm) with column compartment kept at 40°C. Ultra-high resolution mass spectrometry: Thermo Scientific Orbitrap Fusion Lumos Tribid mass spectrometer was operated in full scan mode using a scan range of 70-1,400  $m/z$  and a resolution of 240,000. Figure showing IROA-IS scan #738; methionine in red.

*This document was produced electronically  
and is valid without a signature*