



### Sustainable chemicals with top performance.



### Company

Based in California

Broad multi-layered IP strategy & platform

Manufacturing built for 10,000+ ton scale



### Team

Founders have >40 years of biofocused experience

Team has >100 years of formulation customer support



### Product offering

High-performance, biosurfactants from yeast

Sugar-only feedstock, low carbon intensity

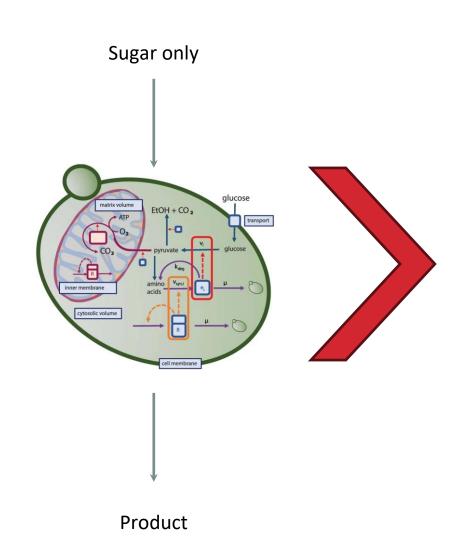
Tunable platform delivers wide range of applications

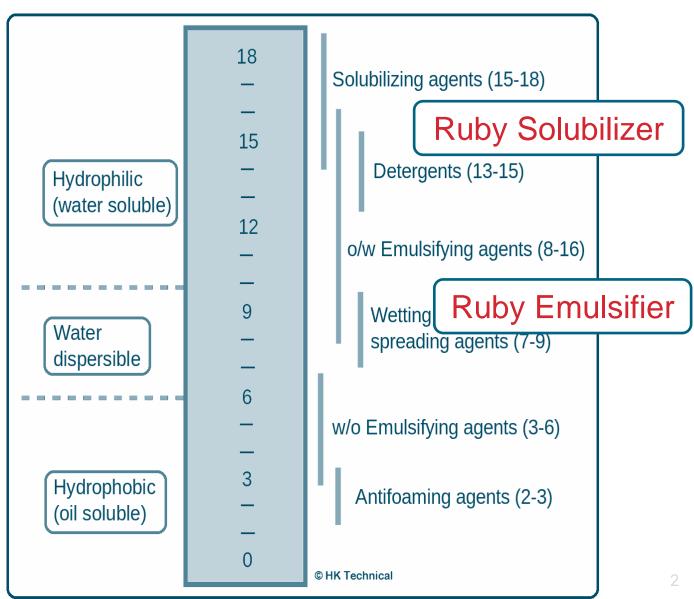
Platform delivers tunable, naturally derived surfactants from simple sugar feedstocks.

# Ruby's launching two products

yeast fermentation from sugar feedstock







# Ruby Bio opens a full range of surfactant applications with circular feedstock potential



Performance first, sustainably

Palm-free

No 1,4-dioxane or other toxic contaminants

# Products available

RubyGL-EM1 Emulsifier Commercial supply Q2'24

RubyGL-SF1 Surfactant R&D samples available

...More coming in 2024!

#### YEAST BIOSYNTHESIS







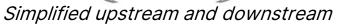






New Glycolipids

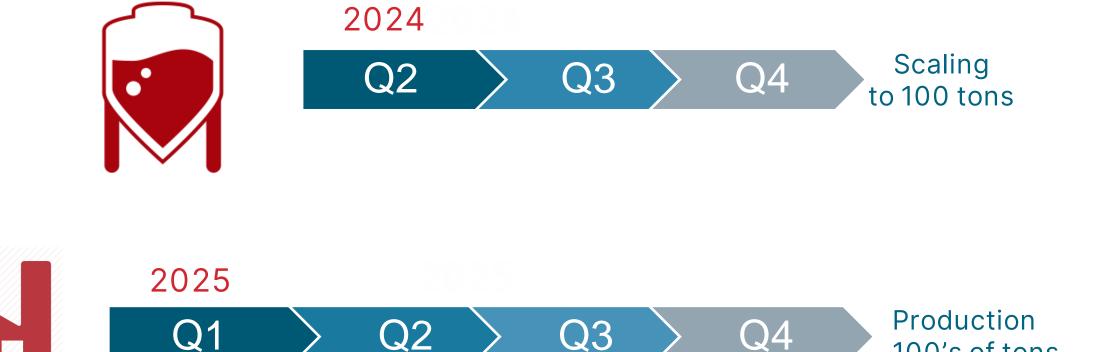
SUGAR OR WASTE



# Platform built for 10,000+ ton scale



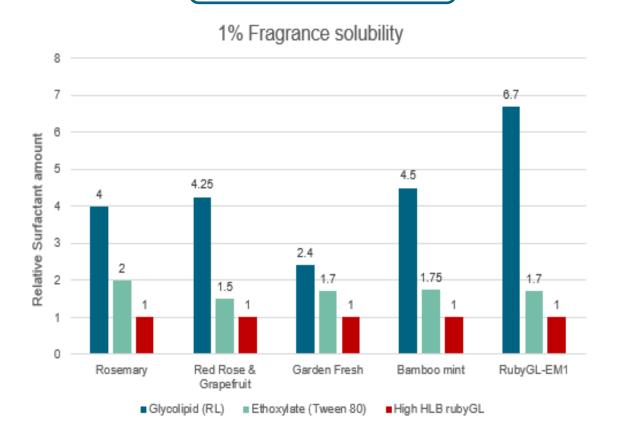
Ramping early commercial manufacturing through 2025



100's of tons

# Performance driven solutions; Palm-free, oil-free, ethoxylate-free

### Ruby Solubilizer



High HLB Ruby GL provided more efficient solubilization of fragrance oils into water.



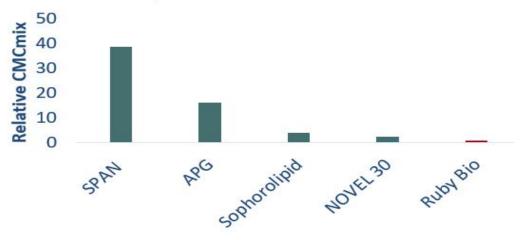






# **Ruby Emulsifier**

### **CMC** comparison with other Surfactants



- Superior CMC profile
- Ruby GL-EM1<sup>™</sup> foam control





