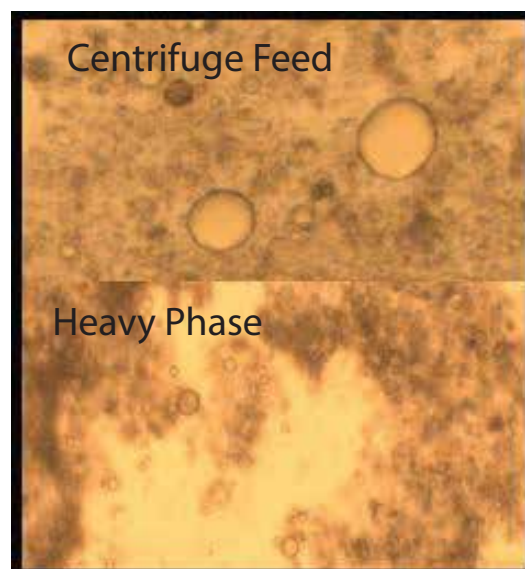


Corn Oil Extraction Optimization Case Study



<i>Hydri-Maize Index</i>	PLANT	IND AVG
Centrifuge Type	DISK	
Demulsifier PPM	338	250 - 500
Plant Type	ICM	
Syrup Temp	203	189
Centrifuge Feed Oil*	4.86%	5.24%
Corn Oil to Solids	15.1%	19.0%
Heavy Phase Oil*	0.11%	0.43%
System Efficiency	97.7%	91.8%
Evap Solids	32.09%	27.55%
Average Wet Cake Oil*	3.41%	2.81%
STDEV Wet Cake Oil	0.27%	0.11%
Syrup D10 (Microns)	15.2	14.1
Syrup D50 (Microns)	55.6	57.0
Syrup D90 (Microns)	110.0	159.4
Demulsification	See Pic	



Providing Creative Solutions

Value Added FSMA Compliant Products From Hydrite

- Demulsifiers
 - Polysorbate Free
 - Cold Temperature Demulsification
 - Milo Specific
- Bisulfites
 - Catalyzed
 - Ammonium Bisulfite
 - Sodium Bisulfite
- Liquid Acid CIP Chemicals
- Antifoam Chemistries
- Antibiotics
- Antibiotic Free Solutions
- Chelating Agents
- Caustic Wetting Agents
- Strong Oxidizers for In-Situ Equipment Cleaning
- Bleach
- Acids:
 - Sulfuric
 - Sulfamic
 - Nitric
 - Citric
 - Acetic
 - Phosphoric
 - Peracetic
- Sodium Chlorite (15% and 25%)
- Caustics
- Floor Cleaners
- Equipment Cleaners
- Lab Waste Disposal Services
- Fermentation Nitrogen Sources:
 - Aqua Ammonia
 - Urea
 - Protease
- Yeast Nutrient

For more information:

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