

THE DOZN™ SCALE

Based on the 12 Principles of Green Chemistry*, DOZN helps researchers, scientists, and manufacturers increase performance and efficiency while reducing human and environmental impact.

*Paul T. Anastas and John C. Warner, 1991.



Sodium L-lactate-1-¹³C solution (606022)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	92%	Increased yield. Used less raw materials
	Waste Prevention	93%	Reduced the generation of hazardous waste
	Reduce Derivatives	74%	Reduced derivative steps
	Renewable Feedstocks Use	91%	Decreased amount of raw materials
	Real-Time Pollution Prevention	N/A	
	Catalyst	No change	
Human & Environmental Hazards Reduction	Energy Efficiency Design	94%	Reduced chemical processing
	Less Hazardous Chemical Synthesis	91%	Minimized the use of toxic chemicals
	Safer Chemical Design	No change	
	Safer Solvents and Auxiliaries	100%	Avoided organic solvent usage
	Design for Degradation	N/A	
	Inherently Safer Chemical for Accident Prevention	91%	Minimized the explosion and flammability hazard

TOTAL PERCENT IMPROVEMENT

92%

AGGREGATE SCORE

0 = Most Desirable



Re-engineered Score ← 0

← Previous Score

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