

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.

Ephos (901215)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	<div><div></div></div> 77%	Reduced quantity of raw materials
	Waste Prevention	No Change	
	Reduce Derivatives	NA	
	Renewable Feedstocks Use	NA	
	Real-Time Pollution Prevention	<div><div></div></div> 15%	Reduced steps associated with Hazardous Excursion risks
	Catalyst	No Change	
	Energy Efficiency Design	No Change	
Human & Environmental Hazards Reduction	Less Hazardous Chemical Synthesis	<div><div></div></div> 38%	Reduced quantities of reactants
	Safer Chemical Design	NA	
	Safer Solvents and Auxiliaries	<div><div></div></div> 78%	Reduced quantity of organic solvents and auxiliary chemicals
	Design for Degradation	No Change	
	Inherently Safer Chemical for Accident Prevention	<div><div></div></div> 57%	Minimized reactivity risk

TOTAL PERCENT IMPROVEMENT

32%

AGGREGATE SCORE

0 = Most Desirable



Re-engineered Score ← 0
← 28
← 41
Previous Score ←

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