

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.

cataCXium® A Pd G3 (761435)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	<div><div></div></div> 87%	Increased yield
	Waste Prevention	<div><div></div></div> 88%	Decreased amount of raw materials
	Reduce Derivatives	No Change	
	Renewable Feedstocks Use	<div><div></div></div> 87%	Decreased amount of raw materials
	Real-Time Pollution Prevention	No Change	
	Catalyst	No Change	
	Energy Efficiency Design	No Change	
Human & Environmental Hazards Reduction	Less Hazardous Chemical Synthesis	<div><div></div></div> 85%	Reduced hazardous reaction conditions
	Safer Chemical Design	No Change	
	Safer Solvents and Auxiliaries	<div><div></div></div> 87%	Reduced solvent usage
	Design for Degradation	No Change	
	Inherently Safer Chemical for Accident Prevention	<div><div></div></div> 85%	Reduced flammability and reactivity hazard

TOTAL PERCENT IMPROVEMENT

88%

AGGREGATE SCORE

0 = Most Desirable



Previous Score ← 0

Re-engineered Score ← 16 2

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