

# 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.

## GPhos (918008)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	N/A	
	Waste Prevention	7%	Reduced amount of raw materials
	Reduce Derivatives	N/A	
	Renewable Feedstocks Use	4%	Decreased amount of raw materials
	Real-Time Pollution Prevention	N/A	
	Catalyst	N/A	
Human & Environmental Hazards Reduction	Energy Efficiency Design	59%	Reduced chemical processing
	Less Hazardous Chemical Synthesis	14%	Reduced hazardous reaction conditions
	Safer Chemical Design	18%	Minimizing the toxicity
	Safer Solvents and Auxiliaries	21%	Reduced solvent usage
	Design for Degradation	N/A	
	Inherently Safer Chemical for Accident Prevention	N/A	

**TOTAL PERCENT IMPROVEMENT**

**19%**

**AGGREGATE SCORE**

0 = Most Desirable

Re-engineered Score

0

Previous Score

16 13

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