

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.

Potassium p-tolyl sulfate (SMB00936)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	<div><div></div></div> 54.3%	Increased yield. Used less raw materials
	Waste Prevention	No change	
	Reduce Derivatives	N/A	
	Renewable Feedstocks Use	<div><div></div></div> 54.3%	Decreased amount of raw materials
	Real-Time Pollution Prevention	N/A	
	Catalyst	No change	
Human & Environmental Hazards Reduction	Energy Efficiency Design	N/A	
	Less Hazardous Chemical Synthesis	<div><div></div></div> 74.6%	Reduced hazardous reaction conditions
	Safer Chemical Design	N/A	
	Safer Solvents and Auxiliaries	<div><div></div></div> 56%	Reduced solvent usage
	Design for Degradation	N/A	
	Inherently Safer Chemical for Accident Prevention	<div><div></div></div> 74.6%	Reduced flammability and reactivity hazard

TOTAL PERCENT IMPROVEMENT

47%

AGGREGATE SCORE

0= Most Desirable



← Previous Score 21

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