

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.

Bovine Gamma Globulin Powder (82041)

	12 Principles of Green Chemistry	Percentage of Improvement	Results
Resource Used	Atom Economy	5%	Increased yield
	Waste Prevention	5%	Used less quantity of raw materials
	Reduce Derivatives	No Change	
	Renewable Feedstocks Use	5%	Decreased quantity of raw materials
	Real-Time Pollution Prevention	No Change	
	Catalyst	No Change	
Human & Environmental Hazards Reduction	Energy Efficiency Design	5%	Reduced chemical processing
	Less Hazardous Chemical Synthesis	5%	Reduced hazardous reaction conditions
	Safer Chemical Design	No Change	
	Safer Solvents and Auxiliaries	5%	Reduced solvent usage
	Design for Degradation	3%	Reduced use of substance that degrades to environmentally hazardous materials
	Inherently Safer Chemical for Accident Prevention	5%	Reduced reactivity hazard

TOTAL PERCENT IMPROVEMENT

7%

AGGREGATE SCORE

0 = Most Desirable



Re-engineered Score

Previous Score

The Life Science business of Merck operates as MilliporeSigma in the U.S. and Canada.

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