

METZYME® PRODUCT FAMILIES

BIOREFINERY SOLUTIONS

PULP AND PAPER SOLUTIONS

Product Families	SUNO™	PURECO™	METNIN™	LIGNO™	BRILA™	POVON™	PLATA™	SEKALO™
Application	HYDROLYSIS	SUGAR BIO-CONVERSION	LIGNIN REFINING	LIGNIN MODIFICATION	RCF/KRAFT FIBRE MODIFICATION	FLUTING LINER	PITCH CONTROL	PAPER COATING
Enzyme Added to	PRE-TREATED SUBSTRATE	1G or 2G SUGAR	LIGNIN	WOOD CHIPS REJECT PULP KRAFT PULPING LIGNIN	RCF VF	NSSC PULP	PULP	STARCH
Benefits	<i>Yield improvement, Dosage reduction, and Capex & Opex Savings</i>	<i>New paths to renewable chemicals with yield improvement, Efficiency, and</i>	<i>Valorization of lignin in high yield and activity to match customer specific requirements</i>	<i>Yield improvement, Efficiency and Energy Saving</i>	<i>Quality & Process Improvements Energy & Raw Material Savings</i>	<i>Quality & Process Improvements Energy & Raw Material Savings</i>	<i>Break-down of aggregated impurities & reduction of process upsets</i>	<i>Economic Starch Conversion</i>