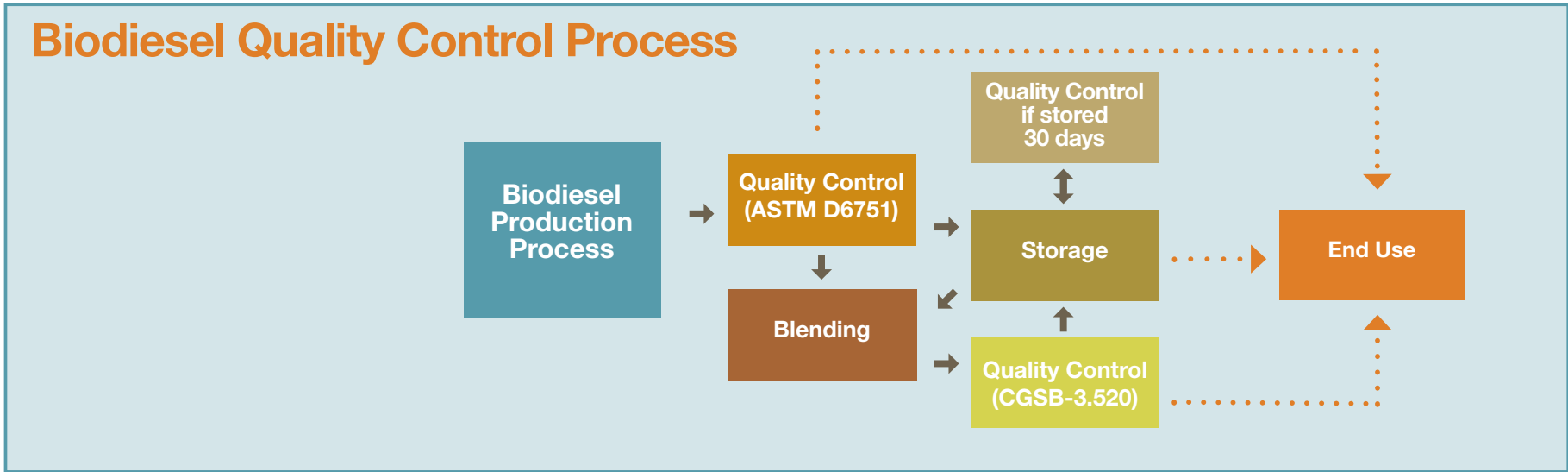


Biodiesel Quality Control Process



Biodiesel Testing Reference Guide

	Acid Number	Alcohol Control (Methanol & Ethanol)	Ash	Calcium & Magnesium Combined	Carbon Residue	Cetane Number (Derived)	Cloud Point	Copper Strip Corrosion	Distillation Temp., 90%	Electrical Conductivity at delivery	Flash Point	Free & Total Glycerin	Kinematic Viscosity 40 C	Low Temperature Flow	Lubricity	Oxidization Stability – Rancimat	Phosphorus Content	Specific Gravity	Sodium & Potassium Combined	Sulphated Ash	Sulphur	Visual Appearance	Water in Oil	Water & Sediment
American Society for Testing and Materials	D664		D482		D4530	D6890	D2500	D130	D1160	D2624	D93	D6684	D445	D4539	D6079		D4951	D1298		D874	D5453	D4176	D6304	D2709
European Testing Standards		EN 14110		EN 14538												EN 14112			EN 14538					
Full Specification Testing	*	*		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Critical Specification Testing	*	*					*				*	*				*					*	*	*	*
Monthly Specification Testing				*															*			*		
Blended Fuels (B1-B5)	*	*	*		*	*	*	*	*	*	*	*	*	*	*		*				*	*	*	*
B100 Stored by Producer	*																					*		
B100 Stored by Marketer	*	*									*	*						*				*		
Blended Fuels Stored (B1-B5)																		*				*		

Notes:

- Testing packages are designed to satisfy the ISO 9000 Quality Management System
- MHL can provide process control tests and testing services for higher concentration biodiesel blends (>B5) from the list of individual tests
- Standards and testing requirements are up to date as of March 1, 2008 but are subject to change.