



PeneCert Test Matrix

Part Number	Test Description	<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">5.1 Penetrant Clarity and Color</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">5.2 Penetrant Contamination</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">5.3 Penetrant Viscosity</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">5.4 Penetrant Fluorescent Brightness</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">5.5 Water Washable Penetrant Water Content</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">5.6 Water Washable Penetrant Removability</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">6.1 Emulsifier Clarity and Color</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">6.2 Emulsifier Contamination</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">6.3 Emulsifier Water Content</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">7.1 Developer Appearance</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">7.2 Developer Contamination</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">7.3 Dry Developer Fluifness (Form a)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">7.4 Aqueous Developer Concentration, Water-Soluble (Form b)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">7.5 Aqueous Developer Concentration, Water-Suspendible (Form c)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">7.6 Aqueous Developer Clarity and Color</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">8.1 Post-Emulsifiable System Removability</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">8.2 Post-Emulsifiable System Sensitivity</div> </div>																			
		ASTM 1417 Paragraph #	7.8.2.1	7.8.2.1	*	7.8.2.2	7.8.2.3/4	*	7.8.3	7.8.2	7.8.2	7.8.2.5/6	7.8.2.7	7.8.2.7/8	7.8.2.7	7.8.2.9	7.8.2.9	7.8.2.8	7.8.2.8	*	7.8.3
System Tests	751401	Water Washable System (Penetrant + Developer)	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓			
	751402	Post-Emulsifiable System (Penetrant + Emulsifier/Remover + Developer)	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Individual Product Tests	751403	Water Washable Penetrant	✓	✓	✓	✓	✓	✓													
	751404	Post-Emulsifiable Penetrant	✓	✓	✓	✓															
	751405	Emulsifier/Remover							✓	✓	✓										
	751406	Dry Developer										✓	✓	✓							
	751407	Aqueous Developer										✓	✓		✓	✓	✓	✓			
A la Carte Tests	751408	Post-Emulsifiable System Removability + Sensitivity																	✓	✓	
	751409	Penetrant Fluorescent Brightness				✓															
	751410	Water Washable Removability + Sensitivity						✓	✓												
	751411	Water Washable Penetrant Water Content					✓														
	751412	Emulsifier/Remover Water Content									✓										
	751413	Viscosity			✓																
	751415	Removability OR Sensitivity (Pick one)						✓	✓										✓	✓	