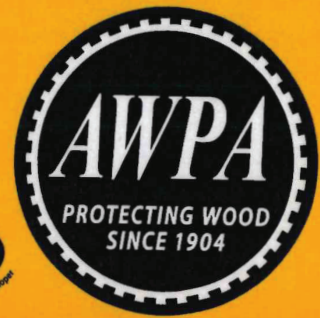


2019



AWPA Book of Standards



AMERICAN WOOD PROTECTION ASSOCIATION

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ISSN 1534-195X

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TABLE OF CONTENTS: 2019 AWPB BOOK OF STANDARDS

Introduction – Page 1

Introduction.....	1
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Use Category System Standards – Page 5

U1-19: User Specification for Treated Wood

1. Introduction to the Use Category System.....	5
2. Service Conditions for Use Category Designations	6
3. Guide to Treated Wood End Uses	10
4. Standardized Preservatives.....	15
5. Species and Species Groupings.....	17
Commodity Specifications.....	23
A. Sawn Products.....	24
B. Posts	41
C. Crossties and Switchties.....	48
D. Poles.....	50
E. Round Timber Piling	56
F. Pressure-Treated Wood Composites.....	58
G. Marine Applications.....	64
H. Fire Retardant Treated Products.....	70
I. Nonpressure Applications.....	72
J. Non-Pressure Treated Wood Composites.....	73
K. Barrier Protection Systems.....	74

T1-19: Processing and Treatment Standard

Introduction.....	77
1. General Requirements.....	78
2. Treatment	79
3. Results of Treatment	80
4. Preservatives	85
5. Quality Control and Inspection	85
6. Retreatment	85
7. Drying After Treatment.....	85
Special Requirements by Commodity	86
Section A: Sawn Products.....	86
Section B: Posts	91
Section C: Crossties and Switchties.....	94
Section D: Poles.....	96
Section E: Round Timber Piles.....	103
Section F: Pressure-Treated Wood Composites.....	105
Section G: Marine Applications.....	109
Section H: Fire Retardant Treated Products.....	113
Section I: Millwork and Manufactured Goods.....	114
Section J: Non-Pressure Treated Wood Composites....	115

Preservative/Protectant Standards – Page 119

P1/P13-19: Standard for Creosote Preservative	119
P2-19: Standard for Creosote Solution.....	120
P3-19: Standard for Creosote-Petroleum Solution.....	121

P20-18: All Barrier Protection Systems.....	122
P22-14: Standard for Ammoniacal Copper Zinc Arsenate (ACZA).....	124
P23-14: Standard for Chromated Copper Arsenate Type C (CCA-C).....	125
P24-19: Standard for Alkyl Ammonium Compound, Waterborne (AAC-W)	126
P25-16: Standard for Inorganic Boron (SBX)	127
P26-14: Standard for Alkaline Copper Quat Type A (ACQ-A).....	128
P27-14: Standard for Alkaline Copper Quat Type B (ACQ-B)	129
P28-14: Standard for Alkaline Copper Quat Type C (ACQ-C)	130
P29-14: Standard for Alkaline Copper Quat Type D (ACQ-D).....	131
P32-19: Standard for Copper Azole Type B (CA-B).....	132
P33-18: Standard for Copper HDO Type A (CX-A)	133
P34-14: Standard for Copper Naphthenate, Waterborne (CuN-W)	134
P35-16: Standard for Pentachlorophenol (PCP).....	135
P36-16: Standard for Copper Naphthenate (CuN).....	136
P37-17: Standard for Oxine Copper (Copper 8 Quinolinolate) (Cu8).....	137
P38-19: Standard for Alkyl Ammonium Compound, Oilborne (AAC)	138
P39-18: Standard for 4,5-Dichloro-2-N-Octyl-4-Isothiazolin-3-One (DCOI).....	139
P40-19: Standard for 3-Iodo-2-Propynyl Butyl-Carbamate (IPBC).....	140
P41-14: Standard for Tebuconazole (TEB).....	141
P42-19: Standard for Propiconazole (PPZ).....	142
P45-14: Standard for Propiconazole Tebuconazole Imidacloprid (PTI)	143
P47-14: Standard for DCOI/Imidacloprid/Stabilizer, Waterborne (EL2)	144
P48-15: Standard for Copper Azole Type C (CA-C)	145
P49-15: Standard for Fire Retardant FR-1 (FR-1)	146
P50-15: Standard for Fire Retardant FR-2 (FR-2)	147
P51-14: Standard for Zinc Borate (ZB)	148

P52-15: Standard for IPBC-SB-1 (IPBC-SB-1)	149
P53-15: Standard for IPBC/PPZ/TEB-SB-1 (IPBC/PPZ/TEB-SB-1)	150
P55-16: Standard for Alkaline Copper Betaine (KDS)	151
P56-19: Standard for Alkaline Copper Betaine Type B (KDS-B)	152
P57-16: Standard for Alkaline Copper Betaine (KDS) (nonpressure use)	153
P58-15: Standard for 3-Iodo-2-Propynyl Butyl Carbamate/Permethrin (IPBC/PER)	154
P59-18: Standard for Chemically Modified Wood, Type A (CM-A)	155
P60-14: Standard for Inorganic Boron, Oilborne (SBX-O)	156
P61-16: Standard for Micronized Copper Azole (MCA)	157
P62-16: Standard for Micronized Copper Azole Type C (MCA-C)	158

Hydrocarbon Solvent Standards – Page 161

HSA-18: Standard for Hydrocarbon Solvent, Type A	161
HSC-17: Standard for Hydrocarbon Solvent, Type C	162
HSF-17: Standard for Hydrocarbon Solvent, Type F	163
HSG-18: Standard for Hydrocarbon Solvent, Type G	164
HSB-18: Standard for Hydrocarbon Solvent, Type H	165

Analysis Method Standards – Page 167

A4-19: Standard Methods for Sampling Wood Preservatives	167
A6-15: Standard Method for the Determination of Retention of Oil-Type Preservatives from Small Samples	171
A7-19: Standard Wet Ashing Procedures for Preparing Wood for Chemical Analysis	174
A9-18: Standard Method for Analysis of Treated Wood and Treating Solutions by X-Ray Spectroscopy	175
A12-19: Wood Densities for Preservative Retention Calculations	181
A13-17: Standard Method of Analysis for Acid Number of Naphthenic Acids in Copper Naphthenate	183
A14-17: Standard Method for Determination of Water-Extractable Copper in Copper Naphthenate	186
A15-19: Referee Methods	188

A16-16: Standard Method for Determination of Didecylmethyl Ammonium Compounds in Treated Wood by HPLC	189
A17-15: Standard for Determination of Quaternary Ammonium Compounds in ACQ Solutions	191
A18-18: Standard for Determination of Quaternary Ammonium Compounds in Wood by 2-Phase Titration	193
A19-19: Standard Method for Sample Preparation for Determining Penetration of Preservatives in Wood	195
A20-17: Standard Method for Chlorothalonil Assay	196
A21-16: Standard Method for Analysis of Wood and Wood Treating Solutions by Inductively Coupled Plasma Emission Spectrometry	198
A22-17: Standard Method for the Quantitative Determination of Creosote in AWWA P3 Creosote-Petroleum Oil Solutions (CPS)	202
A26-14: Standard Method for Analysis of Fire Retardant Solutions and Wood by Titration	204
A28-14: Standard Method for Determination of Propiconazole and Tebuconazole in Waterborne Formulations and in Treating Solutions by HPLC	206
A30-18: Standard Method for the Determination of 4,5 Dichloro-2-N-Octyl-4-Isothiazolin-3-One (DCOI) in Wood and Solutions by High Performance Liquid Chromatography (HPLC)	208
A31-15: Standard Methods for the Analysis of Solutions and Wood for Azoles by Gas Chromatography (GC)	212
A33-14: Standard Method for the Analysis of N-Cyclohexyldiazoniumdioxide (HDO) in Concentrates and Treating Solutions by Colorimetry	216
A34-14: Standard Method for the Analysis of N-Cyclohexyldiazoniumdioxide (HDO) in Wood Treated with HDO Containing Solutions by HPLC	218
A35-19: The Determination of the Propensity of a Ready-To-Use Oilborne/Oil-Type Wood Preservative Treating Solution to Form Stable Emulsions	220
A36-14: Standard for Determination of Quaternary Ammonium Compounds in Wood by Potentiometric Back-Titration Using Sodium Lauryl Sulfate and Hyamine 1622	222
A37-17: Standard for Determination of Quaternary Ammonium Compounds in Wood and Wood Treating Solutions by Potentiometric Titration Using Sodium Tetraphenylborate	226
A40-18: Standard Methods for Determination of Boron Trioxide in Treating Solutions and Treated Wood by Potentiometric Titration with Sodium Hydroxide	231

STANDARD FOR HYDROCARBON SOLVENT, TYPE A

Jurisdiction: AWWA Technical Committee P-3

This Standard was developed by AWWA's Technical Committees in an open, consensus-based process. Any modifications, deviations, or exceptions to this Standard invalidate any references to this Standard and nullifies any statements of compliance with this Standard.

Solvent Code	HSA	Description	Reference Standards
Solvent Name	Hydrocarbon Solvent Type A	Solvent for preparing solutions of oil-borne preservatives such as pentachlorophenol and copper-naphthenate	The ASTM Standards referred to herein may be obtained from the ASTM International, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428
Solvent Composition			
Composition	HSA shall be composed of - hydrocarbon solvent or - blends of hydrocarbon solvents and auxiliary solvents		
Physical Chem. Requirements [of the Blend]			
Distillation, Total Volume of Fractions [Ref. Standard ASTM D86 or D1160]	If more than 50% is distilled over before reaching distilling point of 254°C (490°F), then the petroleum is deemed unacceptable. If more than 90% is distilled over before reaching distilling point of 307°C (585°F), then the petroleum is deemed unacceptable.		
Color	N.d.		
Flash Point [Ref. Standard ASTM D93]	In the interest of plant and worker safety, Hydrocarbon Solvent A should have a minimum flash point of 66°C (150°F) by PMC		
Specific Gravity [Ref. Standard ASTM D287]	Min API = 24 Max. Specific Gravity = 0.910 min @ 15.6°C (60°F) Max. is a recommendation and applicable when either steam conditioning or final steaming are employed in the treatment process		
Solvency (PCP only) [Ref. Standard AWWA A82]	10 g min in 90 grams of whole oil 6 g min in 100 ml of (undistilled) oil fraction above 260°C [From Distillation according ASTM D86 or ASTM D1160]		
Viscosity	Kinematic Viscosity [Ref. Standard ASTM D445]	Test material: 100 ml of (undistilled) Oil fraction above 260°C [From Distillation according ASTM D86 or ASTM D1160] 3.46 cSt min @ 38°C (100°F)	
	SSU Viscosity [Ref. Standard ASTM D88]	37.5 min @ 38°C (100°F)	
Water & Sediment [Ref. Standard ASTM D1796]	0.5% max, B.S.&W.		
Physical Chemical Properties of Auxiliary Solvent			
Restrictions	If any auxiliary solvents used are chlorinated solvents, they should not be distilled in a copper distillation apparatus and the lime ignition method should not be used for boring assay		
Leaching of PCP [Ref. Standard AWWA A85]	The auxiliary solvent shall not induce leaching of PCP from the total preservative blend as determined by the analytical reference method. The amount of PCP found in the test sample shall not be less than that found in the control		
Water Solubility	Any auxiliary solvent shall not be completely water soluble Any auxiliary solvent shall be permitted to have solubility in water to the extent that upon saturation, the solubility of pentachlorophenol in the total preservative blend shall not be affected and that emulsion do not result that would preclude its use.		
Enforcement			
Historical	Adopted in 2009 (formerly AWWA Standard P9, Type A)		
Reaffirmation	1997, 2003, 2009		
Amendments	2011, 2014, 2018		