

# DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

### APPLICATION FOR HCAI PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM)

OFFICE USE ONLY

APPLICATION #: OPM-0130

ICAI Preapprova	I of Manufacturer's	Certification (	(OPM)
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Type: New X Renewal/Update

#### **Manufacturer Information**

Manufacturer: Belimed

Manufacturer's Technical Representative: Jay Upchurch

Mailing Address: 8351 Palmetto Commerce Parkway, Suite101, Ladson, SC 29456

Telephone: (843) 216-7424

Email: jay.upchurch@belimed.us

1-0130

#### **Product Information**

Product Name: WD290/WD290E STERILIZERS

Product Type: Other Electrical and Mechanical Component

Product Model Number: WD290 and WD290E

General Description: Washer/Disinfector for Medical Instruments

#### **Applicant Information**

Applicant Comp	any Name: EASE LLC.	A AND	
Contact Person:	Tiffany Tonn	IBU	ILDING
Mailing Address	: 1515 FAIRVIEW AVE, STE 205,	MISSO	ULA, MT 59801
Telephone: (40	6) 541-3273	Email:	tiffany@easeco.com
<b>T</b> '' <b>N</b>			

Title: Office Manager

"A healthier California where all receive equitable, affordable, and quality health care"

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY





# DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

### Registered Design Professonal Preparing Engineering Recommendations

Company	Name:	EASE	LLC

Name: Jonathan Roberson

California License Number: S4197

Mailing Address: 5877 Pine Ave., Suite 210, Chino Hills, CA 91709

Telephone: (951) 295-1892

Email: jon@EASECo.com

HCAI Special Seismic Certification Preapproval (OSP)							
Special Seismic Certification is preapproved under OSP	OSP Number:						
FOR CODE CON							
Certification Method							
Testing in accordance with: ICC-ES AC156	M 1950-16						
Other(s) (Please Specify):	-0130						
	ding Standards Code, 2022 (CBSC 2022) for component supports terior partition wall, and suspended ceiling seismic bracings, test sed when approved by HCAI prior to testing.						
X Analysis							
Experience Data	2/09/2024						
Combination of Testing, Analysis, and/or Experience Data	a (Please Specify):						
PRIZ	CODE.						
HCAI Approval	DING						
Date: 11/18/2023							
Name: William Staehlin	Title: Senior Structural Engineer						
Condition of Approval (if applicable):							



		EQUIRMENT ANCHORAGE & SEISMIC ENGINEERING The Department of Health Care Access and Information PREAPPROVAL OF MANUFACTURER'S CERTIFICATION OPM-0130 THIS PREAPPROVAL CONFORMS TO THE 2022 CALIFORNIA BUILDING CODE	5877 Pine Ave, Ste. 210 Chino Hills, CA. 91709 Phn: (909) 606-7622
		FACTURER: BELIMED, INC MENT NAME: WD290/WD290E WASHER/DISINFECTOR	Sheet: <u>1 of 8</u> Date: 1/29/24
G	ENE	ERAL NOTES	
1.		IIS HCAI PREAPPROVAL OF MANUFACTURER'S CERTIFICATION (OPM) IS BASED ON THE 2022 CBC. THE DEM ESIGN FORCES) FOR USE WITH THIS OPM SHALL BE BASED ON THE 2022 CBC	ANDS
2.	ТН	IIS DOCUMENT MAY ONLY BE USED WITH THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER LISTE PECIFIC PROJECT SITE AND INSTALLATION LOCATION. THIS DOCUMENT IS INVALID WITHOUT SUCH CONSEN	
3.		IIS PREAPPROVAL CONFORMS TO THE 2022 CALIFORNIA BUILDING CODE WHERE SDS IS NOT GREATER THA	N 2.30.
4.	FO Wł	PRCES PER ASCE 7-16 SECTION 13.3.1, EQUATIONS 13.3-1, 13.3-2 & 13.3-3, HERE SDS = 2.30, $a_p = 1.0$ , $I_p = 1.5$ , $R_p = 1.5$ , $z/h = 0$ AT CONCRETE SEAB & $z/h \le 1$ AT CONCRETE SLAB ON META	AL DECK.
5.	ΤH	IIS PREAPPROVAL COVERS ONLY THE SUPPORTS AND ATTACHMENTS OF THE EQUIPMENT TO THE STRUCT	URE.
6.		L DESIGN FORCES SHOWN ON THE DRAWINGS ARE FACTORED LOADS THAT SHALL BE USED FOR STRENG	
7.		DNCRETE SLAB ON METAL DECK DETAIL VALID FOR DEMANDS SHOWN AT ANY ELEVATION IN THE BUILDING	. (i.e. z/h <u>&lt;</u> 1)
8.	CC	DNCRETE SLAB DETAIL VALID FOR DEMANDS SHOWN AT OR BELOW GRADE. (i.e. z/h = 0)	
9.	RE	ESPONSIBILITIES OF THE STRUCTURAL ENGINEER OF RECORD OF THE BUILDING	
	A.	PROVIDE SUPPORTING STRUCTURE TO SUPPORT WEIGHTS AND FORCES SHOWN IN ADDITION TO ALL O	THER LOADS.
	В.	VERIFY THAT THE INSTALLATION IS IN CONFORMANCE WITH THE 2022 CBC AND WITH THE DETAILS, MATERIAL AND GAGE OF THE UNIT WHERE ATTACHMENTS ARE MADE AGREE WITH THE INFORMATION SH PREAPPROVAL DOCUMENTS.	OWN ON THE
	C.	VERIFY THAT PROJECT SPECIFIC VALUES OF SDS & $z/h$ RESULT IN SEISMIC FORCES (Eh, Ev ) THAT DO NOT EXCEED THE VALUES ON THE DETAILS.	
	D.	VERIFY THAT THE CONCRETE SLAB TO WHICH THE EQUIPMENT IS ANCHORED MEETS THE REQUIREMENTS OF THE APPLICABLE ICC ESR REPORT. AND THIS OPM.	
	E.	VERIFY THAT THE ANCHORS ARE AN ADEQUATE DISTANCE FROM ANY SLAB EDGES OR OPENINGS (SEE TYPICAL DETAIL ON SHEET 2).	HAN ROBALL
	F.	VERIFY THAT ALL NEW OR EXISTING ANCHORS ARE AN ADEQUATE DISTANCE FROM THE UNIT ATTACHMENTS AND CHECK FOR INTERACTION WHERE OTHER ANCHORS ARE WITHIN 18" OR 6hef FROM THIS UNIT'S ANCHORS.	No. 4197 EXP. 6-30-2024 COF CALLFORM

EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING www.EquipmentAnchorage.com											
	9)		BFI	.IMED, IN	IC			DES.	J. ROBE	rson	SHEET
					јов і	10. <b>11-2</b> 3	313	2			
WD	290/	/WD2§	90E	WASHER	/DISI	NFE	CTO		1/29/	24	of <b>8</b> sheets
10. <u>EXP</u> A	NSION AN	ICHORS:									
A.		MENT IS TO ORRESPONE		E WITH THE ANCH REPORT.	ORS LISTED	) BELOW	and inst	ALLED A	S DESCRIBE	D	
	Anchor Diameter	Concrete Type	Min. f'c (psi)	Anchor Type	ICC Report No.	Min. Embed.	Min. Spacing	Min. Edge Dist	Min. Conc. . Thickness	Torque Test	Direct Tension Test
	3/8"	Sand Light Weight	3000	Hilti Kwik Bolt TZ2	ESR-4266	2"	6.75"	12"	See Detail "A"	30 FT-LE	3 N/A
	1/2"	Normal Weight	3000	Hilti Kwik Bolt TZ2	ESR-4266	3.25"	3"	30"	6"	40 FT-LE	3 2174 lb
B. C.											
	<ul> <li>direct pull tension test or torque test at least 50% of the anchors.</li> <li>(ii) ACCEPTANCE CRITERIA:</li> <li>• DIRECT TENSION TEST: THE ANCHOR SHOULD HAVE NO</li> </ul>								BOLT SPACING		
	OBSERVABLE MOVEMENT AT THE TEST LOAD. A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER BECOMES LOOSE. • TORQUE TEST: THE APPLICABLE TORQUE MUST BE ACHIEVED WITHIN										
	٦	THE FOLLOW	ING LIMI	rs: wedge type : "							
	• •			ST ALL ANCHORS.							
D.	D. AVOID DAMAGING EXISTING STEEL REINFORCING IN CONCRETE SLAB WHEN INSTALLING CONCRETE EXPANSION ANCHORS.										
E.	PROVIDE	FOR FULL T	HREAD E	NGAGEMENT OF N	UT & WASHE	ER.					
		GH CONCRE									
A.	A. BOLTS SHALL BE TORQUED BY 3/4 TURN OF THE NUTS AFTER THE SNUG TIGHT (THE SNUG-TIGHT CONDITION IS DEFINED AS THE TIGHTNESS REQUIRED TO BRING THE CONNECTED PLIES INTO FIRM CONTACT) CONDITION IS ACHIEVED, UNLESS OTHERWISE NOTED.										
В.				BE 1/16" LARGER FOR CONCRETE.	THAN BOLT	SIZE					No. 4197
С.	THROUG TESTING TENSION	H-BOLTS IN ( (THROUGH ) I DO NOT RE	CONCRE <sup>-</sup> BOLTS W QUIRE TE	TE SHALL RECEIVE ITH STEEL TO STEE SNSION TESTING) IN STALLED ANCHOR	EL CONNECT N ACCORDAN	ION IN				HAN STREET	EXP. 6-30-2024 p. 1/29/24 RUCIVB OF CALIFORM











