

# Standard Operating Procedure: WPM Fumigation Disinfestation Specialists

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**1. Objective:** Fumigation of wooden packaging materials as per ISPM 15

### **2. Method of Fumigation :**

**2.1 Preventive Measures:** Recommendation of measures to prevent cross infestation insects at fumigated materials.

#### **2.2 Treatment Procedures:**

2.2.1 Placement of monitoring lines, top back, middle centre and front base.

2.2.2 Placement of fumigant release pipe linked with vaporizer.

2.2.3 Placement of fumigation cover, 200 GSM and sealing with sand snakes.

2.2.4 Quarantine the fumigation enclosure and place danger sticker on stack.

2.2.5 Measurement of ambient temperature and calculation of stack volume.

2.2.6 Release of fumigant through vaporizer to enclosure and check leakages.

2.2.7 Monitoring of fumigant concentration after ½ hour and check equilibrium.

2.2.8 Monitoring of fumigant concentration after 12 and 24 hours and check end concentration and top up if necessary.

2.2.9 Aerate the enclosure after 24 hours and measure TLV.

2.2.10. Carry out prophylactic treatment to prevent any cross infestations.

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<b>3. Pesticides and other materials to be used:</b>		
Sl. No.	Pesticide Active Ingredient	Dilution Ratio
1	Methyl Bromide	48 gm/cubic meter
2	Bifenthrin EC	10 ml/liter
<b>4. Equipment's to be used</b>		
4.1 Fumigation Covers, Sand Snakes, MBr Applicator, Monitoring & Fumigant release pipes		
4.2 Calculator, Fumigant Monitor, Leak Detector & Thermometer		
<b>5. Personnel Protection Equipment</b>		
5.1 Hand Gloves		
5.2 Face Mask with canister		
5.3 Protective Clothing's.		
<b>6. Do's &amp; Don'ts</b>		
6.1 Do's		
6.1.1 Proper assessment of site and floor of fumigation.		
6.1.2 Proper calculation of volume of stack.		
6.1.3 Ensure proper sealing and correct dosage of fumigant and exposure period.		
6.1.4 Proper quarantine of fumigation area to avoid any exposure by workers.		
6.1.5 Use fumigated pallets within 21 days of fumigation.		
<b>6. Do's &amp; Don'ts</b>		
6.2 Don'ts		
6.2.1 Don't eat, smoke and drink during treatment.		
6.2.2 Don't fumigate wpm with paints and lacquer.		
6.2.3 Don't reduce exposure period and keep un fumigated materials nearby.		
6.2.4 Don't use moist wood for fumigations.		
<b>7. Documentation</b>		
7.1 Fumigation records should be completely filled with remarks and signatures from customer.		
7.2 Recommendation reports should be filled.		

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