

Cavex Amalgam Statement

Amalgams Cavex Non Gamma-2 products

Introduction

Amalgam in capsules has a growing popularity with the dentist. In some countries in Europe it is even no longer allowed to market alloy for amalgam as powder and is the capsule a governmental requirement.

The Cavex type of capsule for amalgam is a self-activating capsule with many advantages like: easy to open without any tools, reliable and better mixing and designed to be in compliance with most recent ADA and ISO specifications.

The mercury and alloy for amalgam must be in compliance with the specifications according to the ISO 24234:2004, Mercury and Alloys for dental amalgam, but for amalgam capsules a separate ISO standard is constructed: ISO13897:2003, Dental amalgam capsules.

The ISO13897 contains besides requirements on packaging and dimensions of the capsules two very important specifications:

Loss of mass:

5 capsules are at random selected and weighed. They are amalgamated and weighed again. The loss of mass shall not exceed 0,5 mg.

Mercury and alloy retention:

5 capsules are at random selected and weighed. They are amalgamated, opened and emptied. The empty capsule is weighed again. The mass of the retained material found after amalgamation shall not exceed 1 % of the mass of alloy and mercury.

This ISO13897 became into force at the end of the year 2003. Cavex Holland has immediately adopted this ISO13897 and is testing Cavex NonGamma2, Cavex Avalloy and Cavex Octight capsules according to this standard.

Both ISO24234 and ISO13897 must assure that the dentist will receive reliable and safe amalgam capsules.

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