gas or 8.7 to 9.3 percent methane. The air temperature is between 41 and 86  $^{\circ}\mathrm{F}.$ 

- (f) Detonation test. Each of ten sheathed explosive units shall propagate completely when fired at the minimum product firing temperature for the explosive used in the unit or 41 °F for units with explosives approved under regulations in effect prior to January 17, 1989. The units are initiated with test detonators.
- (g) New technology. MSHA may approve an explosive unit designed to be fired outside the confines of a borehole that incorporates technology for which the requirements of this subpart are not applicable if MSHA determines that such explosive unit is as safe as those which meet the requirements of this subpart.

[FR 46761, Nov. 18, 1988; 54 FR 351, Jan. 5, 1989]

### §15.31 Tolerances for ingredients.

Tolerances established by the applicant for each ingredient in the sheath shall not exceed the tolerances specified in Table II §15.21 of this part.

# § 15.32 Tolerances for weight of explosive, sheath, wrapper, and specific gravity.

- (a) The weight of the explosive, the sheath, and the outer covering shall each be within  $\pm 7.5$  percent of that specified in the approval.
- (b) The ratio of the weight of the sheath to that of the explosive shall be within  $\pm 7.5$  percent of that specified in the approval.
- (c) The specific gravity of the explosive and sheath shall be within ±7.5 percent of that specified in the approval.

## PART 18—ELECTRIC MOTOR-DRIV-EN MINE EQUIPMENT AND AC-CESSORIES

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Sec.

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18.2 Definitions.

18.3 Consultation.

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18.7 [Reserved]

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- 18.9 Conduct of investigations and tests.

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- 18.20 Quality of material, workmanship, and design.
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- auxiliary face ventilation.

  18 23 Limitation of external surface tem-
- 18.23 Limitation of external surface temperatures.
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- 18.25 Combustible gases from insulating material.
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18.27 Gaskets.

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- 18.31 Enclosures—joints and fastenings.
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- 18.39 Hose conduit.
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- 18.41 Plug and receptacle-type connectors.
- 18.42 Explosion-proof distribution boxes.
- 18.43 Explosion-proof splice boxes.18.44 Non-intrinsically safe battery-powered
- equipment. 18.45 Cable reels.
- 18.46 Headlights.
- 18.47 Voltage limitation.
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- 18.60 Detailed inspection of components.
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