



# Black Forest

12-B Robust Porter

**Size:** 5 gal

**Efficiency:** 90.0%

**Attenuation:** 85.0%

**Original Gravity:** 1.055 (1.048 - 1.065)

**Terminal Gravity:** 1.008 (1.012 - 1.016)

**Color:** 26.83 (22.0 - 35.0)

**Alcohol:** 6.1% (4.8% - 6.5%)

**Bitterness:** 16.7 (25.0 - 50.0)

## Ingredients:

5.93 lb (68.4%) 2-Row Brewers Malt - added during mash  
0.78 lb (8.9%) 2-Row Chocolate Malt - added during mash  
0.68 lb (7.9%) 2-Row Caramel Malt 80L - added during mash  
0.46 lb (5.3%) Victory® Malt - added during mash  
0.23 lb (2.6%) 2-Row Black Malt - added during mash  
0.18 oz (28.1%) Galena (13.1%) - added during boil, boiled 60 m  
0.22 oz (33.0%) Styrian Goldings (5.3%) - added during boil, boiled 30 m  
0.26 oz (38.9%) Cascade (7.5%) - added during boil, boiled 15 m  
0.6 lb (6.9%) Lactose - added during boil, 0 m

