

Młodszy brat Ryszarda

- Gravity **8 BLG**
- ABV **3.1 %**
- IBU **28**
- SRM **3.7**
- Style **American Stout**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **16 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|------------------------|-------------|-------|-----|
| Grain | Briess - Pale Ale Malt | 4 kg (100%) | 80 % | 7 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------------|--------|--------|------------|
| Boil | Pacific Gem | 10 g | 60 min | 13.3 % |
| Boil | Idaho Gem | 50 g | 5 min | 13.7 % |