

PH 4 wielozbożowy

- Gravity **9 BLG**
- ABV **3.5 %**
- IBU **10**
- SRM **3.9**
- Style **Other Smoked Beer**

Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **28.9 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.8 liter(s)**
- Total mash volume **18.4 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|--------|-----|
| Grain | Żytni | 1.3 kg (28.3%) | 85 % | 8 |
| Grain | Viking Pale Ale malt | 2 kg (43.5%) | 80 % | 5 |
| Grain | Słód owsiany Fawcett | 0.8 kg (17.4%) | 61 % | 5 |
| Grain | Acid Malt | 0.5 kg (10.9%) | 58.7 % | 6 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------------|--------|-------|------------|
| Boil | Amora preta | 5 g | 5 min | 15 % |
| Boil | 50 | 50 g | 5 min | 8 % |