

Polskie ALE

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **35**
- SRM **8.5**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **28.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------|--------------|-------|-----|
| Grain | Viking Pilsner malt | 1 kg (16.7%) | 82 % | 4 |
| Grain | Viking Munich Malt | 5 kg (83.3%) | 78 % | 18 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-------------------|--------|--------|------------|
| Boil | Marynka | 30 g | 70 min | 10 % |
| Boil | Lublin (Lubelski) | 15 g | 20 min | 4 % |
| Aroma (end of boil) | Lublin (Lubelski) | 15 g | 5 min | 4 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-33 | Ale | Dry | 11 g | --- |