

Polish Pale Ale Single Hop Izabela

- Gravity **14.5 BLG**
- ABV **6 %**
- IBU **31**
- SRM **4.4**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.35 liter(s) / kg**
- Mash size **20.1 liter(s)**
- Total mash volume **26.1 liter(s)**

Steps

- Temp **50 C**, Time **20 min**
- Temp **65 C**, Time **60 min**

Mash step by step

- Heat up **20.1 liter(s)** of strike water to **54.5C**
- Add grains
- Keep mash **20 min** at **50C**
- Keep mash **60 min** at **65C**
- Sparge using **13.7 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|--------------|-------|-----|
| Grain | Viking Pale Ale malt | 5 kg (83.3%) | 80 % | 5 |
| Grain | Viking Wheat Malt | 1 kg (16.7%) | 83 % | 5 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Iunga | 30 g | 60 min | 11 % |
| Boil | Marynka | 50 g | 0 min | 8.8 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------|------|------|--------|------------|
| US-05 | Ale | Dry | 11.5 g | Fermentis |