

Projekt 24 #3

- Gravity **24 BLG**
- ABV **11 %**
- IBU **25**
- SRM **23.5**
- Style **Belgian Dark Strong Ale**

Batch size

- Expected quantity of finished beer **11 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **14.6 liter(s)**

Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **2.7 liter(s) / kg**
- Mash size **14.4 liter(s)**
- Total mash volume **19.8 liter(s)**

Steps

- Temp **62 C**, Time **20 min**
- Temp **66 C**, Time **30 min**
- Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **1 min**

Mash step by step

- Heat up **14.4 liter(s)** of strike water to **69.8C**
- Add grains
- Keep mash **20 min** at **62C**
- Keep mash **30 min** at **66C**
- Keep mash **20 min** at **72C**
- Keep mash **1 min** at **76C**
- Sparge using **5.6 liter(s)** of **76C** water or to achieve **14.6 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|--------|-----|
| Grain | Viking Pale Ale malt | 4.4 kg (73.9%) | 80 % | 5 |
| Grain | Pszeniczny | 0.3 kg (5%) | 85 % | 4 |
| Grain | Aromatic Malt | 0.25 kg (4.2%) | 78 % | 51 |
| Grain | Strzegom Karmel 150 | 0.2 kg (3.4%) | 75 % | 150 |
| Grain | Special B Malt | 0.2 kg (3.4%) | 65.2 % | 315 |
| Sugar | Candi Sugar, Amber | 0.6 kg (10.1%) | 78.3 % | 148 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Sybilla | 24 g | 60 min | 6.7 % |
| Boil | Oktawia | 5 g | 60 min | 7.8 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------------------|------|--------|--------|------------------|
| FM26 Belgijskie Pagórki | Ale | Liquid | 120 ml | Fermentum Mobile |