

#7 American

- Gravity **15.2 BLG**
- ABV **6.3 %**
- IBU **65**
- SRM **26.7**
- Style **American Stout**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **20.1 liter(s)**
- Total mash volume **25.9 liter(s)**

Steps

- Temp **68 C**, Time **90 min**
- Temp **68 C**, Time **15 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **20.1 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **15 min** at **68C**
- Keep mash **90 min** at **68C**
- Keep mash **5 min** at **76C**
- Sparge using **11 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------------------------|----------------|-------|------|
| Grain | Briess - Pale Ale Malt | 3.85 kg (67%) | 80 % | 7 |
| Grain | Monachijski | 1.2 kg (20.9%) | 80 % | 16 |
| Grain | crystal | 0.3 kg (5.2%) | --- % | --- |
| Grain | Strzegom Czekoladowy ciemny | 0.2 kg (3.5%) | 68 % | 1200 |
| Grain | Strzegom pszenica prażona | 0.2 kg (3.5%) | 70 % | 1000 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|------------------------|--------|----------|------------|
| Boil | Columbus/Tomahawk/Zeus | 35 g | 60 min | 15.5 % |
| Boil | Cascade | 50 g | 10 min | 6 % |
| Dry Hop | Mosaic | 50 g | 3 day(s) | 10 % |

Notes

- słody ciemne dodajemy w 2 kroku
May 18, 2017, 9:44 AM