

Double ipa Kuźnia

- Gravity **17.7 BLG**
- ABV **7.6 %**
- IBU **44**
- SRM **5.9**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21.3 liter(s)**
- Total mash volume **28.4 liter(s)**

Steps

- Temp **65 C**, Time **45 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **21.3 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **45 min** at **65C**
- Keep mash **20 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **11.1 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 | 5.5 kg (77.5%) | 80 % | 7 |
| Grain | Płatki pszeniczne | 1.2 kg (16.9%) | 85 % | 3 |
| Grain | Płatki owsiane | 0.4 kg (5.6%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|---------------|--------|--------|------------|
| Boil | Nelson Sauvín | 50 g | 15 min | 11 % |
| Whirlpool | Nelson Sauvín | 50 g | 30 min | 11 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-----------|------|-------|--------|------------------|
| Hazy Daze | Ale | Slant | 100 ml | Fermentum Mobile |