

Pumpkin Ale

- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **29**
- SRM **9**
- Style **Specialty Beer**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.5 liter(s)**
- Total mash volume **14 liter(s)**

Steps

- Temp **65 C**, Time **45 min**
- Temp **72 C**, Time **45 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **10.5 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **45 min** at **65C**
- Keep mash **45 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **8.2 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|---------|---------------------------------------|--------------|--------|-----|
| Grain | Castle Malting - Pilszeński 6-rzędowy | 2 kg (40%) | 80 % | 5 |
| Grain | Monachijski | 0.5 kg (10%) | 80 % | 16 |
| Grain | Dekstrynowy Simpsons | 0.5 kg (10%) | 72 % | 1.5 |
| Grain | Biscuit Malt | 0.5 kg (10%) | 79 % | 45 |
| Sugar | Milk Sugar (Lactose) | 0.3 kg (6%) | 76.1 % | 0 |
| Adjunct | dynia pieczona | 1.2 kg (24%) | 10 % | 10 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-----------------|--------|--------|------------|
| Boil | Marynka PH 2019 | 20 g | 60 min | 8.7 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|---------------|------|-------|--------|------------|
| Kveik Opshaug | Ale | Slant | 100 ml | WL |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|----------------|--------|---------|--------|
| Other | łuska ryżowa | 200 g | Mash | 60 min |
| Water Agent | chlorek wapnia | 4 g | Mash | 60 min |
| Fining | whirflock | 1 g | Boil | 5 min |
| Spice | imbir | 8 g | Boil | 5 min |
| Spice | cynamon | 2 g | Boil | 5 min |
| Spice | gałka muszk. | 1 g | Boil | 5 min |
| Spice | goździki | 0.5 g | Boil | 5 min |