

Pszeniczne duże

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **10**
- SRM **4.1**

Batch size

- Expected quantity of finished beer **28 liter(s)**
- Trub loss **5 %**
- Size with trub loss **29.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **35.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **22.5 liter(s)**
- Total mash volume **30 liter(s)**

Steps

- Temp **45 C**, Time **15 min**
- Temp **63 C**, Time **45 min**
- Temp **70 C**, Time **15 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **22.5 liter(s)** of strike water to **49.2C**
- Add grains
- Keep mash **15 min** at **45C**
- Keep mash **45 min** at **63C**
- Keep mash **15 min** at **70C**
- Keep mash **10 min** at **78C**
- Sparge using **20.4 liter(s)** of **76C** water or to achieve **35.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--|---------------|-------|-----|
| Grain | słód pszeniczny viking malt | 3 kg (40%) | 80 % | 5 |
| Grain | Słód Castle Malting - Château Wheat Blanc - Pszeniczny | 1 kg (13.3%) | 80 % | 5.5 |
| Grain | Strzegom Pilzneński | 3 kg (40%) | 80 % | 4 |
| Grain | Płatki owsiane | 0.5 kg (6.7%) | 60 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Oktawia | 20 g | 45 min | 7.1 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------------------------|-------|--------|--------|------------------|
| FM41 Gwoździe i Banany | Wheat | Liquid | 200 ml | Fermentum Mobile |

Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

| | | | | |
|-------|------------------|------|----------|-----|
| Spice | laska wanili | 5 g | Bottling | --- |
| Spice | skórka z cytryny | 20 g | Bottling | --- |