

Polske jane by marcin v1

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **23**
- SRM **3.1**
- Style **Specialty Beer**

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 **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.3 liter(s)**
- Total mash volume **20.4 liter(s)**

Steps

- Temp **65 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **15.3 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **10 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **15.1 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Pilzneński PREMIUM | 4.6 kg (90.2%) | 81 % | 2.5 |
| Grain | Weyermann - Carapils | 0.5 kg (9.8%) | 78 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-------------------|--------|--------|------------|
| Boil | Marynka | 25 g | 45 min | 7.3 % |
| Boil | Lublin (Lubelski) | 13 g | 20 min | 3.7 % |
| Aroma (end of boil) | Lublin (Lubelski) | 17 g | 5 min | 3.7 % |
| Aroma (end of boil) | Marynka | 5 g | 5 min | 7.3 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|----------------------|------|------|--------|------------|
| Danstar - Nottingham | Ale | Dry | 11 g | Yeast |

Extras

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

| | | | | |
|--------|----------------|-----|------|--------|
| Fining | mech irlandzki | 5 g | Boil | 15 min |
|--------|----------------|-----|------|--------|

Notes

- Fermentacja burzliwa - 9+ dni w temperaturze 17-19 °C
Fermentacja cicha - 14+ dni w temperaturze 17-19 °C
Butelkowanie z dodatkiem glukozy 6 g/l
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