

# D'jinn'es

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **20**
- SRM **33.5**
- Style **Dry Stout**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21.2 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **25.9 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.7 liter(s) / kg**
- Mash size **19.2 liter(s)**
- Total mash volume **24.4 liter(s)**

## Steps

- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **19.2 liter(s)** of strike water to **67.7C**
- Add grains
- Keep mash **40 min** at **62C**
- Keep mash **20 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **11.9 liter(s)** of **76C** water or to achieve **25.9 liter(s)** of wort

## Fermentables

| Type  | Name                        | Amount        | Yield | EBC  |
|-------|-----------------------------|---------------|-------|------|
| Grain | Strzegom Pale Ale           | 3 kg (57.7%)  | 79 %  | 6    |
| Grain | Strzegom Monachijski typ II | 1 kg (19.2%)  | 79 %  | 22   |
| Grain | Strzegom Karmel 600         | 0.3 kg (5.8%) | 68 %  | 601  |
| Grain | Strzegom Czekoladowy ciemny | 0.3 kg (5.8%) | 68 %  | 1200 |
| Grain | Carafa III                  | 0.1 kg (1.9%) | 70 %  | 1034 |
| Grain | Jęczmień niesłodowany       | 0.5 kg (9.6%) | 75 %  | 2    |

## Hops

| Use for | Name               | Amount | Time   | Alpha acid |
|---------|--------------------|--------|--------|------------|
| Boil    | East Kent Goldings | 30 g   | 55 min | 5.1 %      |
| Boil    | East Kent Goldings | 20 g   | 10 min | 5.1 %      |

## Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale  | Dry  | 10 g   | Safale     |

## Extras

| Type  | Name      | Amount | Use for | Time   |
|-------|-----------|--------|---------|--------|
| Other | Chłodnica | 0 g    | Boil    | 15 min |

## Notes

- Z Magicznej Książeczki strona 128

Po  
May 5, 2017, 4:52 PM