

ZłotySmok

- Gravity **23.1 BLG**
- ABV **10.5 %**
- IBU **23**
- SRM **20**
- Style **Belgian Dark Strong Ale**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **10 %**
- Size with trub loss **16.5 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **20.7 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21.6 liter(s)**
- Total mash volume **28.8 liter(s)**

Steps

- Temp **68 C**, Time **30 min**
- Temp **72 C**, Time **50 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **21.6 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **30 min** at **68C**
- Keep mash **50 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **6.3 liter(s)** of **76C** water or to achieve **20.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--|----------------|--------|------|
| Grain | Pilzneński | 5.5 kg (71.4%) | 81 % | 4 |
| Grain | Strzegom golden ale | 1 kg (13%) | 79 % | 14 |
| Grain | Fawcett - Pszeniczny Czekoladowy | 0.1 kg (1.3%) | 73 % | 1001 |
| Grain | Caraaroma | 0.2 kg (2.6%) | 78 % | 400 |
| Grain | Słód Caramunich Typ I Weyermann | 0.2 kg (2.6%) | 73 % | 80 |
| Grain | Biscuit Malt | 0.2 kg (2.6%) | 79 % | 45 |
| Sugar | Candi Sugar, Clear | 0.5 kg (6.5%) | 78.3 % | 2 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------------------------|--------|--------|------------|
| Boil | lunga | 20 g | 30 min | 11 % |
| Boil | Saaz (Czech Republic) | 50 g | 10 min | 4.4 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|-----------------------------|-----|-------|---------|------------|
| WLP500 - Trappist Ale Yeast | Ale | Slant | 1000 ml | White Labs |
|-----------------------------|-----|-------|---------|------------|

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|---------|--------|
| Fining | Mech irlandzki | 10 g | Boil | 10 min |