

Smoked RIS

- Gravity **22 BLG**
- ABV **9.9 %**
- IBU **61**
- SRM **36.6**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **10.5 liter(s)**
- Trub loss **4 %**
- Size with trub loss **10.9 liter(s)**
- Boil time **70 min**
- Evaporation rate **20 %/h**
- Boil size **13.8 liter(s)**

Mash information

- Mash efficiency **79 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **14.9 liter(s)**
- Total mash volume **19.5 liter(s)**

Steps

- Temp **66 C**, Time **60 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **14.9 liter(s)** of strike water to **73C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **10 min** at **76C**
- Sparge using **3.4 liter(s)** of **76C** water or to achieve **13.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|-----------------|-------|------|
| Grain | Wędzony bukiem Viking Malt | 2.2 kg (48.6%) | 79 % | 10 |
| Grain | Strzegom Monachijski typ I | 1 kg (22.1%) | 79 % | 16 |
| Grain | Strzegom Pale Ale | 0.6 kg (13.3%) | 79 % | 6 |
| Grain | Special B Castle | 0.125 kg (2.8%) | 77 % | 350 |
| Grain | Strzegom Karmel 150 | 0.125 kg (2.8%) | 75 % | 150 |
| Grain | Carabelge | 0.125 kg (2.8%) | 74 % | 30 |
| Grain | Biscuit Malt | 0.1 kg (2.2%) | 74 % | 45 |
| Grain | Jęczmień palony | 0.125 kg (2.8%) | 1 % | 985 |
| Grain | Carafa II | 0.125 kg (2.8%) | 1 % | 1100 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------|--------|--------|------------|
| Boil | lunga | 20 g | 60 min | 11 % |
| Boil | lunga | 20 g | 30 min | 11 % |

Yeasts

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

| | | | | |
|----------------------|-----|-------|--------|---------|
| Danstar - Nottingham | Ale | Slant | 100 ml | Danstar |
|----------------------|-----|-------|--------|---------|

Extras

| Type | Name | Amount | Use for | Time |
|-------------|-------|--------|---------|--------|
| Water Agent | Kreda | 2 g | Mash | 60 min |